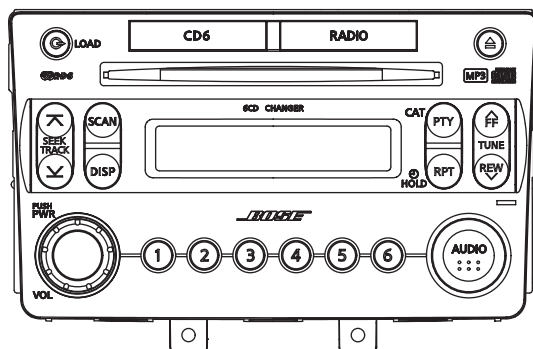


Service Manual



NISSAN MOTOR Genuine
6-disc CD/MP3/WMA Autochanger
AM/FM Radio Stereo

Model **PP-2778L**

(Genuine No. 28185 CF50A)

(ID No. CY18B)

SPECIFICATIONS

Radio section

Tuning system:	PLL frequency synthesizer system
Receive range:	AM 530kHz to 1,710kHz (10kHz STEP)
	FM 87.75MHz(Display:87.7MHz) to 107.9MHz (200kHz STEP)

Intermediate frequency:

AM	450kHz
FM	10.7MHz

Quieting sensitivity:

AM	Less than 38dBu
FM	Less than 15dBu

Separation:

FM	22+5/-7dB(1kHz)
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S/N ratio:

AM	More than 45dB
FM	More than 50dB

Auto tuning stop sensitivity:

AM	42+/-6dBu(600kHz) 39+/-6dBu(1,000/1,400kHz)
FM	32+/-6dBu

CD section

Mechanism:	6-disc CD autochanger
Disc:	12cm disc
Format:	CD-DA,MP3,WMA
Separation:	More than 60dB (1kHz,20kHz L.P.F.)
S/N ratio:	More than 80dB(1kHz JIS-A)
Distortion:	Less than 0.1%(20kHz L.P.F.)
MP3/WMA operations:	MP3 ; Sampling rate 8kHz - 48kHz Bit rate : 8kbps - 320kbps / VBR WMA;Bit rate;48kbps - 192kbps/VBR Logical format(File system); ISO9660 level 1, 2 or JOLIET or Romeo

General

Load impedance:	300 ohm/4ch
Power output:	6V x4
Power supply voltage:	DC13.2V(10.8V to 15.6V) Negative ground
Back-up consumption:	Less than 1mA
Dimensions(mm):	180(W) x106.4(H) x167(D)
Weight:	Approx. 2.55kg

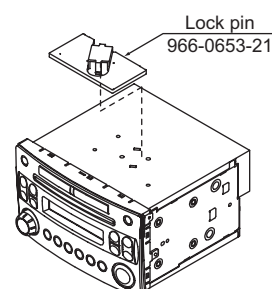
COMPONENT

PP-2778L-A

1. Main unit	-----	1
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NOTES

- * Specifications and design are subject to change without notice for further improvement.
- * We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- * This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.
- * In case that the main unit or the CD changer mechanism is transported for repair, the lock pin(966-0653-21) must be set to fix the mechanism assy.



To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

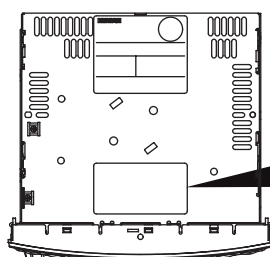
9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

CAUTION

Use of controls, adjustment, or performance of procedures other than those specified herein, may result in hazardous radiation exposure.

The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.



Top view of the unit

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

THIS PRODUCTION COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

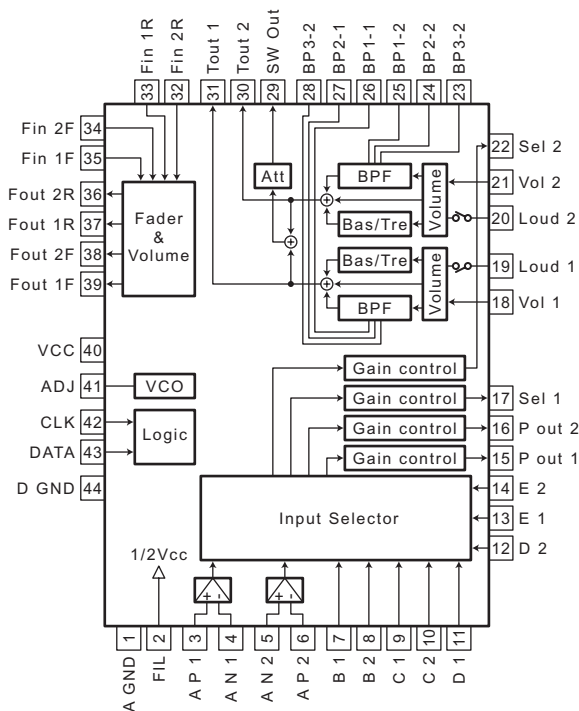
Guide label

ADJUSTMENTS

Item	Procedure	Measuring instrument
Clock accuracy	1. Set a universal counter to TP101, adjust TC101 so that a reading of the counter is 0+/-0.1 sec./day.	Universal counter
FM noise convergence	1. Input the 98.1MHz/55dBu(1kHz,30% MOD)signal.(VOL MAX=0dB) 2. Adjust the outputs to -22dB by VR102 when the SG output is set -20dBu.	SSG Milli-volt meter

EXPLANATION OF IC

051-5041-90 BD3827K Sound Processor



052-3193-10 M30624MGA-652GP System Controller

Terminal Description

pin 1: LCD CLK	: O : The clock pulse output to the LCD driver.
pin 2: LCD DO	: O : The serial data output to the LCD driver.
pin 3: LCD DI	: IN : The serial data input from the LCD driver.
pin 4: ILL PULSE	: IN : Illumination control signal input.
pin 5: TIME BASE	: IN : Time base pulse input.
pin 6: BYTE	: IN : The data length selection(8bit/16bit).
pin 7: CN VSS	: IN : Connect to VSS via a resistor.
pin 8: TEST	: IN : For the test.
pin 9: NU	: O : Not in use.
pin 10: RESET	: IN : Reset signal input.
pin 11: X out	: O : Crystal connection.
pin 12: GND	: - : Ground.
pin 13: X in	: IN : Crystal connection.
pin 14: VDD	: - : Positive voltage supply.
pin 15: NMI	: IN : Connect to VDD via a resistor.
pin 16: BU DET	: IN : Backup detection signal input.
pin 17: ACC IN	: IN : ACC ON flag input.
pin 18: TEL ON	: IN : Telephone ON signal input.
pin 19: ILL ON	: IN : Illumination ON signal input.
pin 20: AMP ON	: O : Audio power amplifier ON signal output.
pin 21: SYS ON	: O : System ON signal output.
pin 22: DIMMER	: O : PWM output.
pin 23: NU	: O : Not in use.
pin 24: BEEP	: O : Beep out.

pin 25: TEL/NAVI MUTE	: O : The muting signal output for the telephone and the navigation.
pin 26: 6-CD REQ	: IN : The request signal input from the 6CD-Changer.
pin 27: 6-CD RX	: IN : The serial data input for 6CD-Changer.
pin 28: 6-CD TX	: O : The serial data output for 6CD-Changer.
pin 29: NDS/FLASH TX	: O : NDS serial data output for NDS and Flash memory.
pin 30: NDS/FLASH RX	: IN : NDS serial data input for NDS and Flash memory.
pin 31: FLASH CLK	: O : The clock pulse output for the flash memory.
pin 32: NAVI ON	: IN : NAVI ON signal input.
pin 33: NU	: O : Not in use.
pin 34: NU	: O : Not in use.
pin 35: NDS CONT	: O : NDS/Automatic-changer select.
pin 36: NDS REQ 2	: IN : NDS request signal input.
pin 37: NDS REQ 1	: IN : NDS request signal input.
pin 38: SOURCE CHG	: O : The signal source change signal output.
pin 39: FLASH EPM	: O : FLASH EPM.
pin 40: EEP ROM DO	: O : The serial data output to the EEP-ROM.
pin 41: EEP ROM CK	: O : The clock pulse output to the EEP-ROM.
pin 42: EEP ROM DI	: IN : The serial data input from the EEP-ROM.
pin 43: EEP ROM CE	: O : The chip enable signal output to the EEP-ROM.
pin 44: FLASH CE	: IN : The chip enable signal input for the flash memory.
pin 45: CD ON	: O : CD ON signal output.
pin 46: AUX REQ	: O : AUX request signal output.
pin 47: AUX ON	: IN : AUX ON signal input.
pin 48: COMBI ON	: O : Combi ON signal output.
pin 49: E VOL DO	: O : Serial data output to the volume IC.
pin 50: E VOL CLK	: O : The clock pulse output to the volume IC.
pin 51: Power IC SDA	: O : The serial data output to Power IC.
pin 52: Power IC CLK	: O : The clock pulse output to Power IC.
pin 53: Power IC Stndb	: O : The standby signal output to Power IC.
pin 54: Power IC Diag	: IN : Power IC Diagnosis signal input.
pin 55: AF MUTE	: O : Audio frequency signal muting.
pin 56: VOL 1	: IN : Volume control pulse input from the rotary encoder.
pin 57: VOL 2	: IN : Volume control pulse input from the rotary encoder.
pin 58: NU	: O : Not in use.
pin 59: NU	: O : Not in use.
pin 60: VDD	: - : Positive voltage supply.
pin 61: NU	: O : Not in use.
pin 62: GND	: - : Ground.
pin 63: PLL CE	: O : The chip enable signal output to the PLL IC.
pin 64: PLL CLK	: O : The clock pulse output to the PLL IC.
pin 65: PLL DO	: O : Serial data output to the PLL IC.
pin 66: PLL DI	: IN : Serial data input from the PLL IC.
pin 67: ST/TWEET	: I/O : Outputs "L" at AM 900kHz receiving. Inputs "L" at FM stereo receiving.
pin 68: NU	: O : Not in use.
pin 69: NU	: O : Not in use.
pin 70: RDS DATA	: IN : RDS serial data input.
pin 71: RDS CLK	: O : RDS clock pulse output.
pin 72: VNC CNT	: O : VNC control signal output.
pin 73: MD LD	: IN : Disc-in signal input from the MD mechanism.

pin 74: FAN ON : O : The fan on signal output.

pin 75: MD 5V : O : The power ON signal output for the MD mechanism.

pin 76: MD WP : O : Wake up signal output to the MD mechanism.

pin 77: MD CS : O : The chip selection signal output to the MD mechanism.

pin 78: MD SCK : O : The clock pulse output to the MD mechanism.

pin 79: MD SO : O : Serial data output to the MD mechanism.

pin 80: MD RESET : O : Reset pulse output to the MD mechanism.

pin 81: MD SRQ : IN: Request signal input from the MD mechanism.

pin 82: MD SI : IN: Serial data input from the MD mechanism.

pin 83: AREA 1 : IN: The destination setting input.
Refer Table 1.

pin 84: AREA 2 : IN: The destination setting input.
Refer Table 1.

pin 85: REMOTE SEL : IN: L = Without Steering wheel remote controller.

pin 86: CD CONNECT : IN: CD connection check signal input.

pin 87: 6-CD LOAD : IN: The loading control signal input for 6CD-Changer.

pin 88: MD EJECT : IN: MD eject switch signal input.

pin 89: 6CD EJECT : IN: 6CD eject switch signal input.

pin 90: NU : O : Not in use.

pin 91: NU : O : Not in use.

pin 92: REM A : IN: Remote control signal input.

pin 93: REM B : IN: Remote control signal input.

pin 94: A VSS : - : Negative voltage supply for analog section.

pin 95: NU : O : Not in use.

pin 96: VREFI : IN: The reference voltage input.

pin 97: A VDD : - : Positive voltage supply for analog section.

pin 98: POWER SW : IN: Power switch ON signal input.

pin 99: LCD RESET : O : Reset pulse output to LCD.

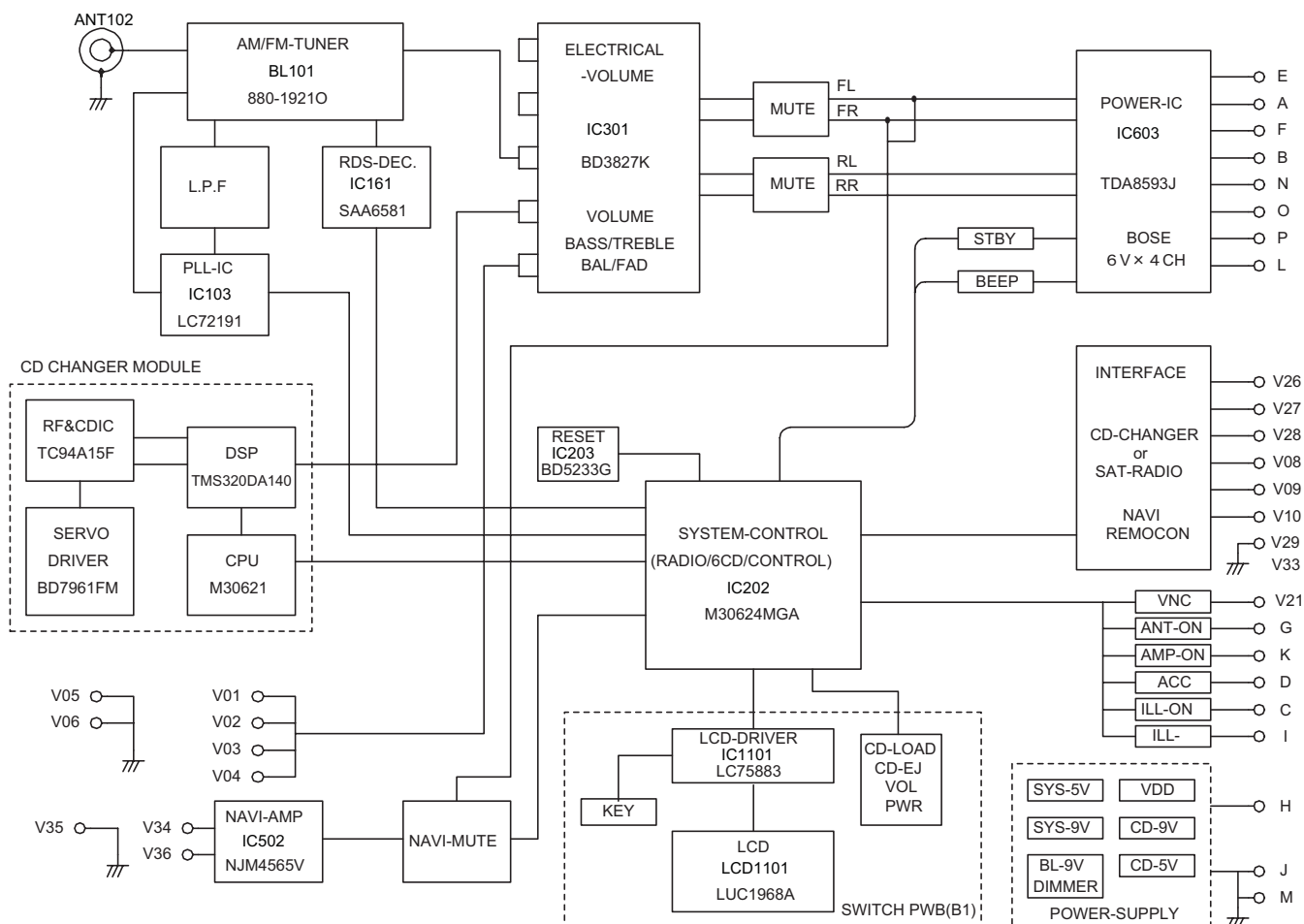
pin100: LCD CE : O : The chip enable signal output to the LCD driver.

Table 1. The destination setting

	Japan	NAM	GCC
AREA 1 (pin 83)	H	L	H
AREA 2 (pin 84)	H	H	L

BLOCK DIAGRAM

Main section



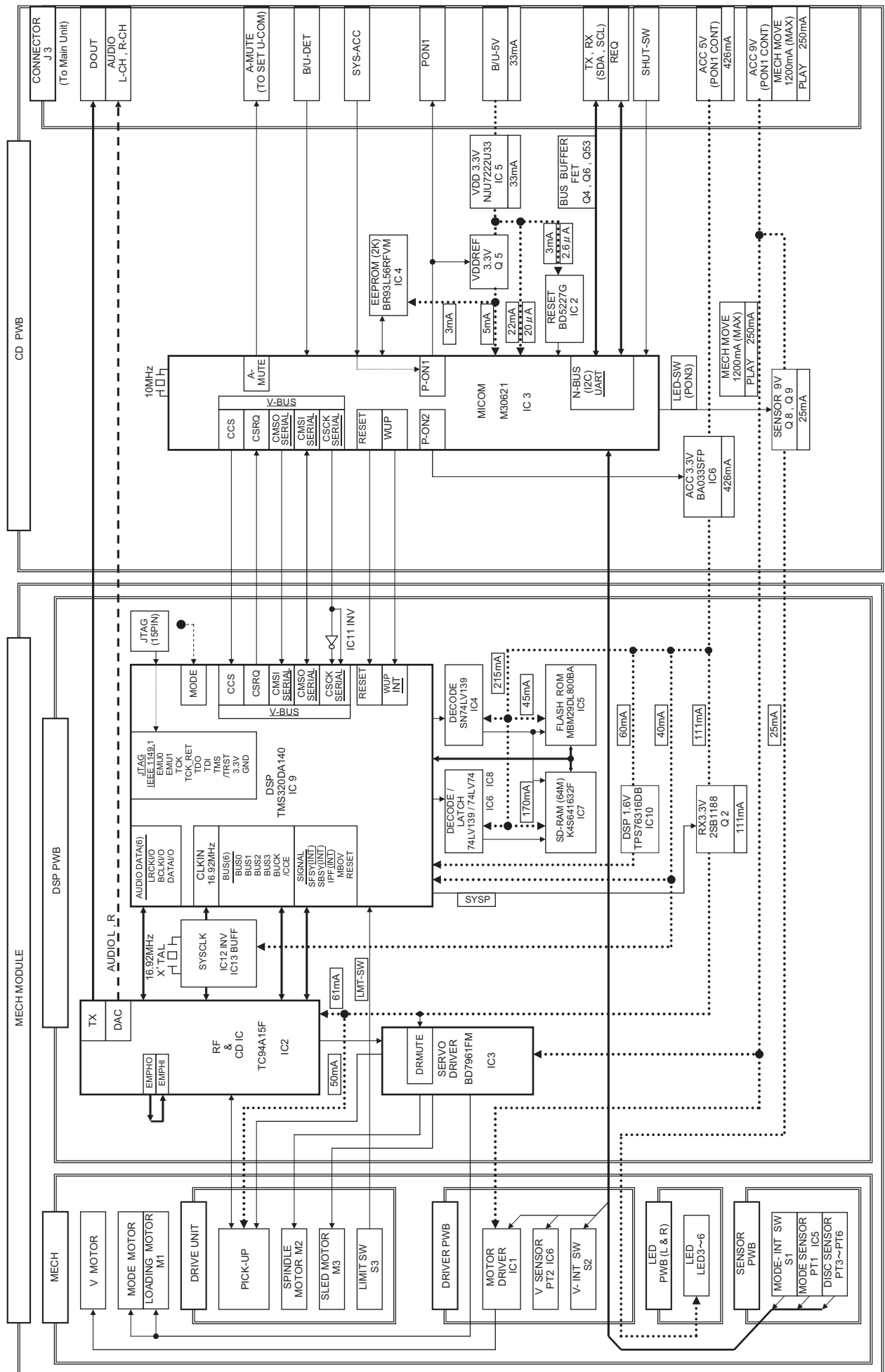
NS10 MW (Power/Front SP)	
No.	Description
A	FRONT Lch(+)
B	FRONT Rch(+)
C	ILLUMI(+)
D	ACC
E	FRONT Lch(-)
F	FRONT Rch(-)
G	ANT. SIGNAL
H	BACK UP(+14V)
I	ILLUMI(-)
J	GND

NS06 MW (Rear SP)	
No.	Description
K	AMP ON SIGNAL
L	REAR Rch(+)
M	GND
N	REAR Lch(-)
O	REAR Lch(+)
P	REAR Rch(-)

A-12 MW (NDS-Auto changer)	
No.	Description
V01	CD Lch(-)
V02	CD Lch(+)
V03	CD Rch(-)
V04	CD Rch(+)
V05	GND
V06	Shield-GND
V07	N.C.
V08	REQ(CD -> Combi)
V09	RX(CD -> Combi)
V10	TX(Combi -> CD)
V11	N.C.
V12	N.C.

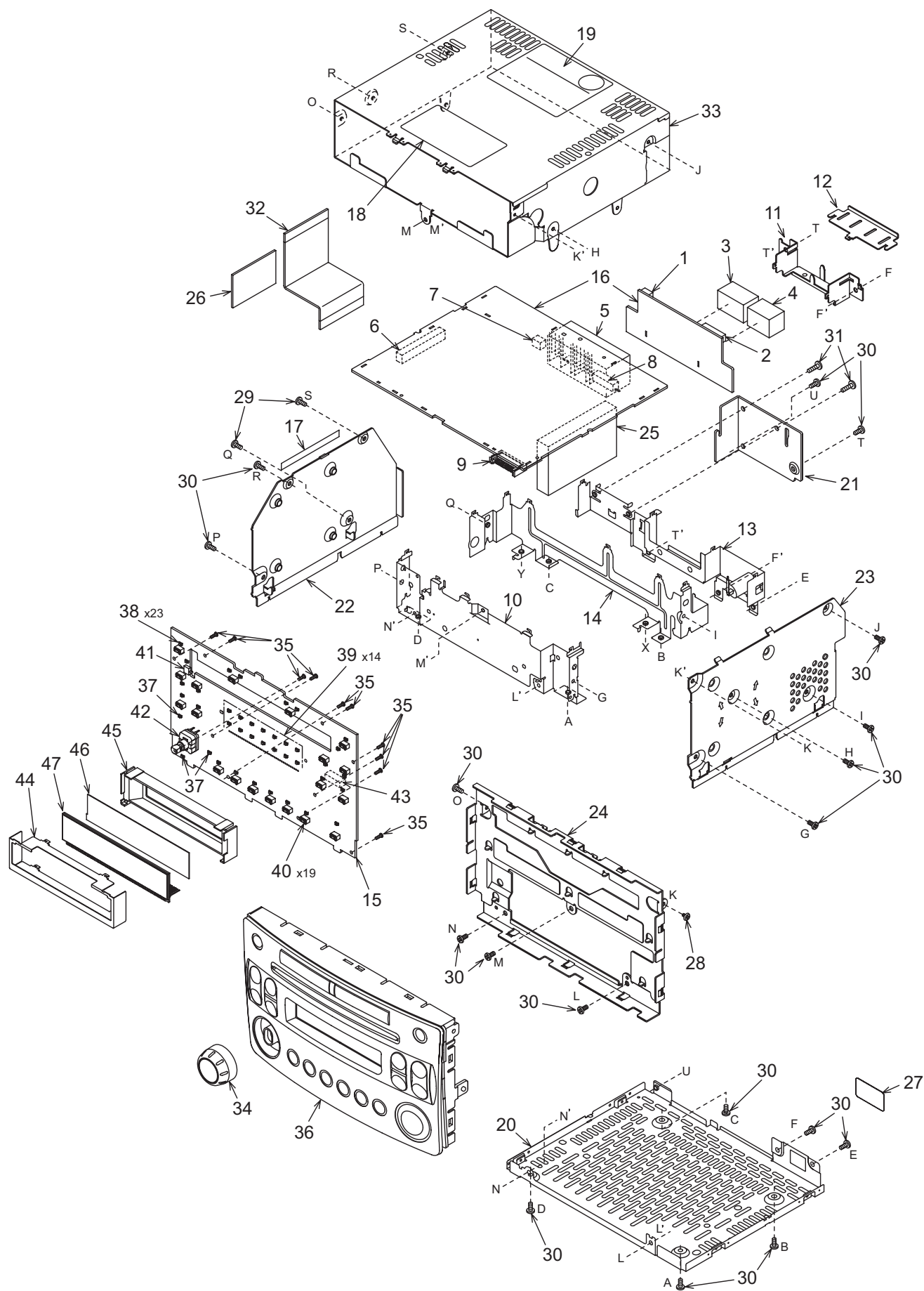
A-16 MW (Remote control)	
No.	Description
V21	VNC-ON/OFF
V22	N.C.
V23	N.C.
V24	N.C.
V25	N.C.
V26	REMO-A
V27	REMO-B
V28	NAVI-ON
V29	REMO-GND
V30	N.C.
V31	N.C.
V32	N.C.
V33	GND
V34	NAVI IN(-)
V35	NAVI-GND
V36	NAVI IN(+)

CD changer module section

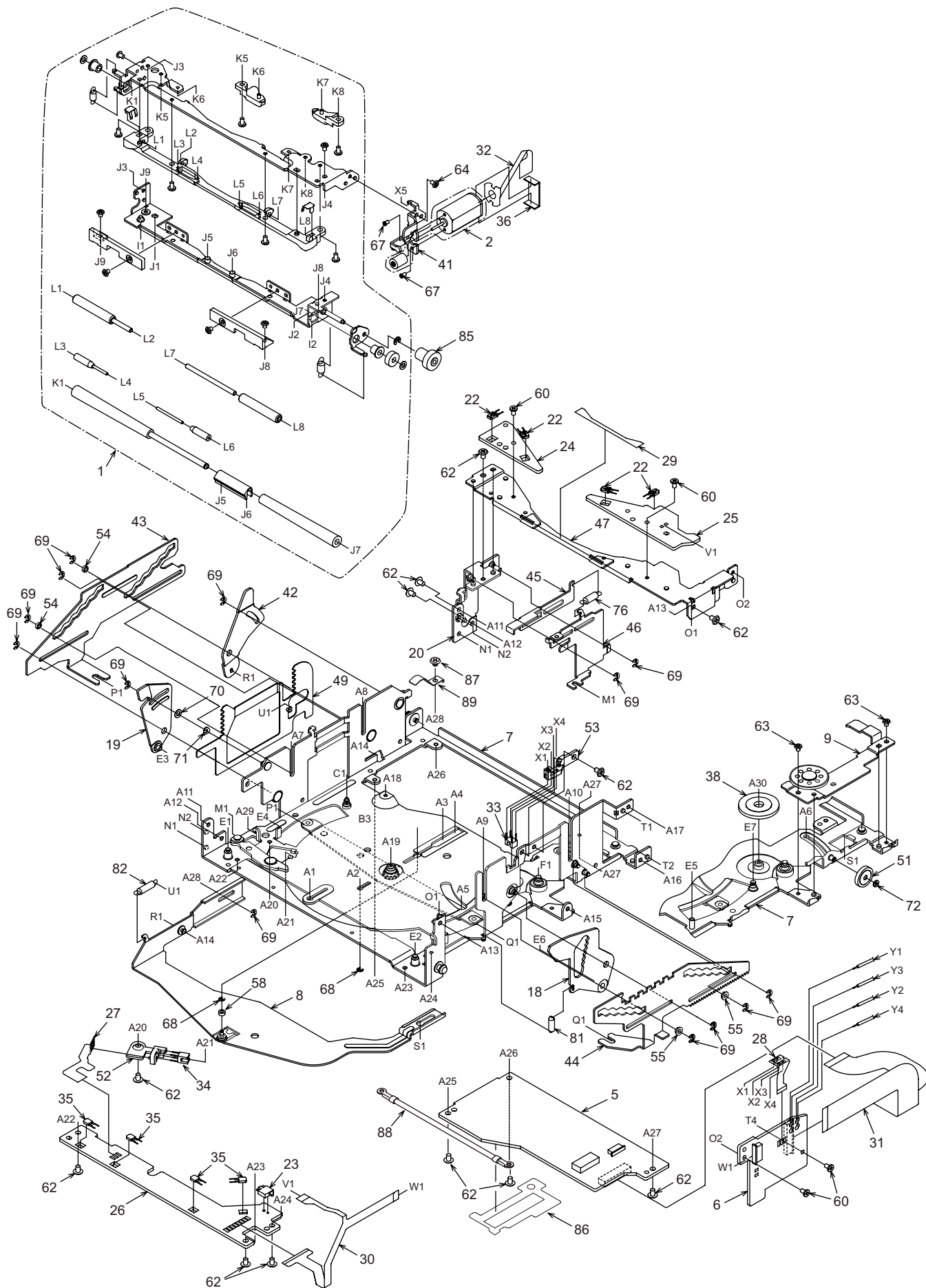


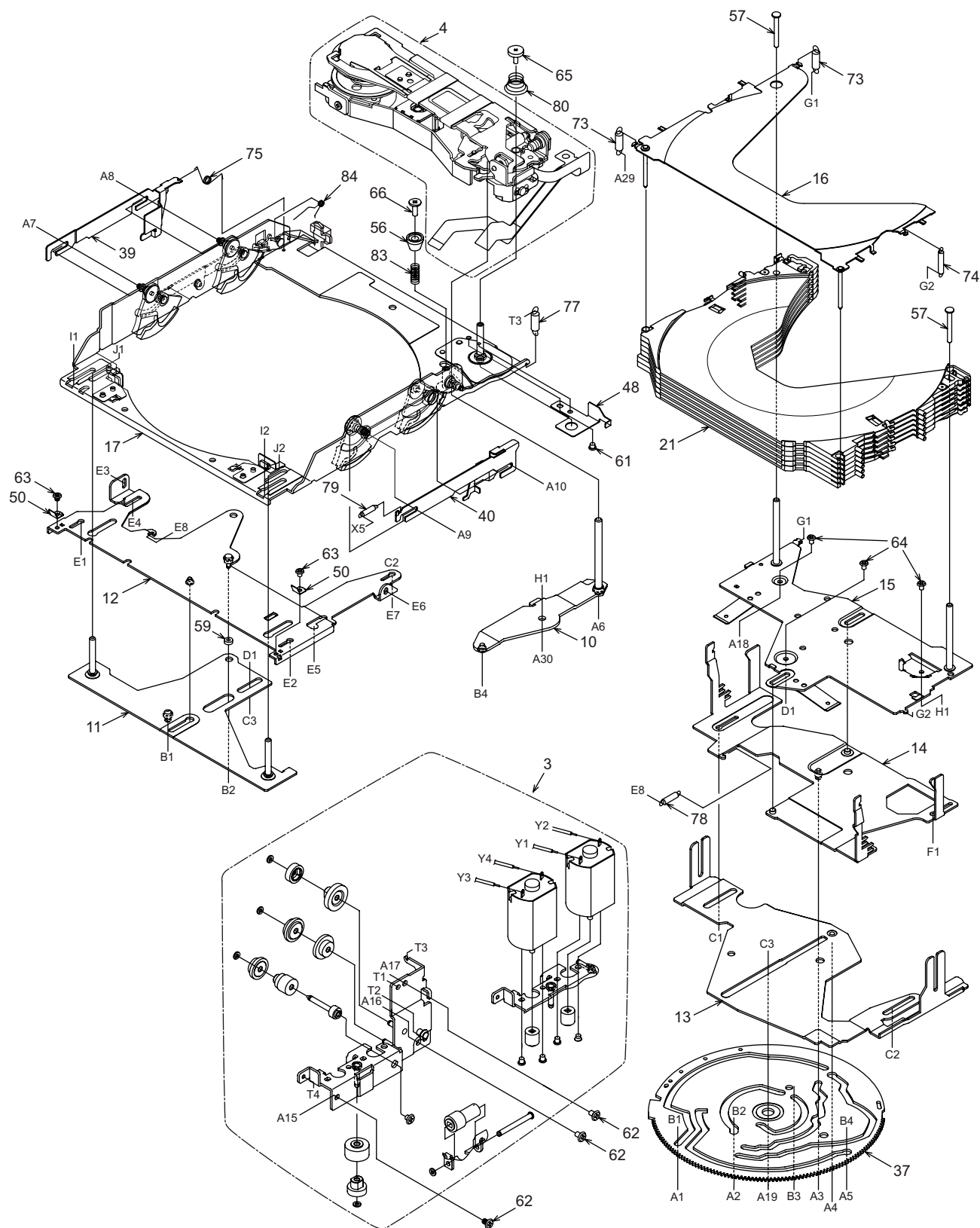
EXPLODED VIEW/PARTS LIST

Main section



CD changer mechanism section : CD changer module

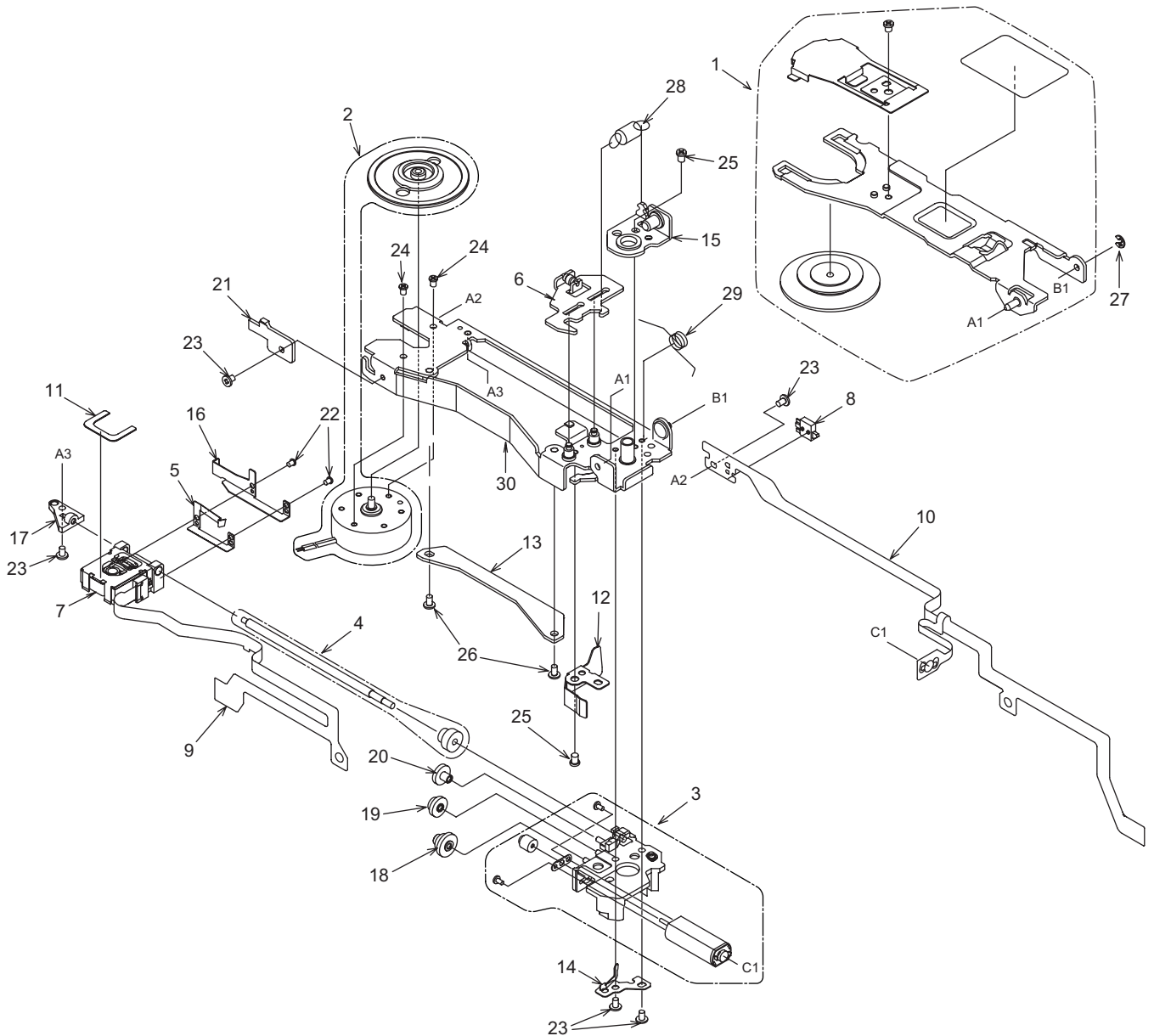




NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-562-100	LOADING UNIT	1
2	SMA-186-100	LOADING MOTOR ASSY	1
3	HBS-530-100	MOTOR PLATE SUB ASSY	1
4	HBS-531-104	DRIVE UNIT	1
5	-----	DSP PWB	1
6	-----	DRIVER PWB	1
7	966-1751-22	CHASSIS ASSY	1
8	966-0600-23	LOCK-P-RE-ASSY	1
9	966-0601-21	M-GEAR-P-ASSY	1
10	966-0602-26	DR-LINK-ASSY	1
11	966-0603-21	MODE-P-ASSY	1
12	966-0604-26	LOCK-PF-ASSY	1
13	966-0605-20	SHIFT-P-ASSY	1
14	966-0606-23	HLC-PLATE-ASSY	1
15	966-1788-22	COV-PLATE-ASSY	1
16	HBS-535-100	TOP-PLATE-ASSY	1
17	966-0652-24	DR-BASE-P-ASSY	1
18	966-0615-21	LOCK-L-RF-ASSY	1
19	966-0616-20	LOCK-L-LF-ASSY	1
20	966-0618-21	EJECT-B-ASSY	1
21	966-1742-20	DISC-HOL-ASSY	1
22	001-7042-00	DIODE (GL4800)	4
23	013-7414-50	DETECTOR SWITCH	1
24	-----	LED-L-PWB	1
25	-----	LED-R-PWB	1
26	-----	SENSOR PWB	1
27	039-2009-00	PIM-FPC (WITHOUT COMPONENT)	1
28	039-2010-00	PIV-FPC (WITHOUT COMPONENT)	1
29	039-2011-01	LED-FPC	1
30	039-2012-00	SENSOR-FPC	1
31	039-2013-04	MOS-FPC	1
32	039-2014-01	L-MOTOR-FPC (WITHOUT COMPONENT)	1
33	051-5806-01	IC (GPIS93)	1
34	051-5806-02	IC (GPIS95)	1
35	060-0252-01	PHOTO-TR	4
36	347-6657-01	LO-COVER SHEET	1
37	620-1041-26	GEAR PLATE	1
38	620-1042-20	M-GEAR-H	1
39	620-1056-22	HLR-PLATE-L	1
40	620-1580-20	HLR-PLATE-R	1
41	620-1576-20	LO-MOTOR-PLT	1
42	620-1066-20	LOCK LINK-LR	1
43	620-1067-21	SLIDE PLATE-L	1
44	620-1068-22	SLIDE PLATE-R	1

NO.	PART NO.	DESCRIPTION	Q'TY
45	620-1071-21	EJECT ARM	1
46	620-1072-20	EJECT PLATE	1
47	620-1577-20	FRONT PLATE	1
48	620-1083-20	FPC-PLATE	1
49	620-1090-20	GAP PLATE	1
50	620-1568-21	RATTLE PLATE-F	2
51	621-0640-20	V-GEAR-G	1
52	621-0641-21	PI-HOLDER-M	1
53	621-0656-21	PI-HOLDER-V	1
54	622-1622-20	SL-G-ROLLER	2
55	622-1623-00	SL-G-ROLLER-R	2
56	622-1648-23	DU-STP-SLEEVE	1
57	622-1650-23	COV-PLATE PIN-B	2
58	622-1651-00	LOCK-RE-ROLLER	1
59	622-1652-00	LOCK-PF-ROLLER	1
60	716-1866-50	SCREW(M1.7 x 3)	4
61	716-1873-00	SCREW(M2 x 1.6)	1
62	716-3449-50	SCREW(M2 x 3)	15
63	716-3450-00	SCREW(M1.7 x 2)	4
64	716-3451-01	SCREW(M1.7 x 2.5)	4
65	716-3459-01	SCREW(M1.7 x 5)	1
66	716-3466-53	SCREW(M2 x 6)	1
67	738-1422-1B	PRECISION SCREW	2
68	743-1200-10	E-RING	2
69	743-1500-10	E-RING	13
70	746-0624-00	WASHER	1
71	746-0712-23	WASHER	1
72	746-0761-00	WASHER	1
73	750-3478-01	TOP-P-SP-L	2
74	750-3479-01	TOP-P-SP-R	1
75	750-3480-01	DR-LOCK-SP	1
76	750-3483-00	EJECT-A-SPRING	1
77	750-3484-01	DR-BASE-SPRING	1
78	750-3485-01	TENSION-SP-L	1
79	750-3486-01	LO-TENSION-SP	1
80	750-3489-01	DRIVE-P-SPRING	1
81	750-3496-00	GAP-P-SPRING R	1
82	750-3497-00	GAP-P-SPRING L	1
83	750-6711-01	DU-STP-SPRING	1
84	750-6712-01	DR-LOCK-SP-B	1
85	621-0651-22	LOAD GEAR-A	1
86	347-6974-22	FPC COVER	1
87	716-1850-01	SCREW	1
88	854-4348-01	EXTENSION LEAD	1
89	620-1604-20	DR-PLATE-SCREW	1

Drive unit section : CD changer mechanism section



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	HBS-532-101	CLAMPER SUB ASSY	1	16	620-1730-81	SCREW-HOL-PLT	1
2	SMA-193-101	SPINDLE MOTOR ASSY	1	17	621-0670-20	LS-HOLDER-L	1
3	SMA-191-100	SLED MOTOR ASSY	1	18	621-0673-20	D-GEAR A	1
4	HBS-515-103	LS-ASSY	1	19	621-0674-20	D-GEAR B	1
5	620-1587-83	SH-SP-PLT	1	20	621-0675-20	D-GEAR C	1
6	HBS-542-101	D-SHIFT-P-ASSY	1	21	621-0683-21	DU-STOPPER	1
7	969-0011-01	PICK UP-ASSY	1	22	716-3511-01	SCREW(M1.4 x 3)	2
8	013-7414-50	DETECT SWITCH	1	23	716-3470-01	SCREW(M1.7 x 3)	5
9	039-2015-01	P/U-FPC	1	24	738-1720-1H	PRECISION SCREW	2
10	039-2016-02	M/S-FPC (WITHOUT COMPONENT)	1	25	738-2025-1H	PRECISION SCREW	2
11	347-6632-00	PU-SHEET	1	26	716-3474-01	SCREW(M1.7 x 3)	2
12	620-1078-21	PUSH PLATE	1	27	743-1500-20	E-RING	1
13	620-1080-22	PU-GUIDE PLATE	1	28	750-3487-00	SHIFT-P-SPRING	1
14	620-1081-20	SCREW PUSH-PLT	1	29	750-3504-00	CLAMP-A-SPRING	1
15	966-0650-20	SPRING PLT ASSY	1	30	966-0649-02	DRIVE PLT-ASSY	1

ELECTRICAL PARTS LIST

Switch PWB(B1) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1101	166-8211-50	820pF	D1127	001-7063-96	RAY1102W	R1119	119-2221-15	1/10W 2.2k ohm
C1102	168-4732-78	0.047uF K	D1128	001-7063-96	RAY1102W	R1120	119-2221-15	1/10W 2.2k ohm
C1103	168-4732-78	0.047uF K	D1129	001-7063-96	RAY1102W	R1121	119-2221-15	1/10W 2.2k ohm
C1104	168-1042-78	16V 0.1uF	D1130	001-7063-96	RAY1102W	R1127	119-0000-05	1/10W 0 ohm JW
C1105	042-0416-59	10V 33uF M TAN	D1131	001-7063-96	RAY1102W	R1128	119-0000-05	1/10W 0 ohm JW
CCT1101	050-0145-52	1/16W 1k ohm x4	D1132	001-7063-96	RAY1102W	R1129	119-1021-15	1/10W 1k ohm
CCT1102	050-0145-52	1/16W 1k ohm x4	D1133	001-7063-96	RAY1102W	R1145	117-0000-05	1/8W 0 ohm JW
D1100	001-7080-91	SML-512WWT864	D1134	001-7063-96	RAY1102W	R1146	117-0000-05	1/8W 0 ohm JW
D1101	001-7080-91	SML-512WWT864	D1135	001-7063-96	RAY1102W	R1147	117-0000-05	1/8W 0 ohm JW
D1102	001-7080-91	SML-512WWT864	D1136	001-7063-96	RAY1102W	R1148	117-0000-05	1/8W 0 ohm JW
D1103	001-7080-91	SML-512WWT864	D1137	001-7063-96	RAY1102W	R1149	117-0000-05	1/8W 0 ohm JW
D1104	001-7080-91	SML-512WWT864	D1138	001-7063-96	RAY1102W	S1101	013-6311-50	SWITCH 100gf
D1105	001-7080-91	SML-512WWT864	D1139	001-7063-96	RAY1102W	S1103	013-6311-50	SWITCH 100gf
D1106	001-7080-91	SML-512WWT864	IC1101	051-6064-00	LC75883W	S1104	013-6311-50	SWITCH 100gf
D1107	001-7080-91	SML-512WWT864	J1101	074-1279-68	18P	S1105	013-6311-50	SWITCH 100gf
D1108	001-7080-91	SML-512WWT864	LCD1101	379-1341-31	LCD	S1106	013-6311-50	SWITCH 100gf
D1109	001-7080-91	SML-512WWT864	R1101	119-6831-15	1/10W 68k ohm	S1107	013-6311-50	SWITCH 100gf
D1110	001-7080-91	SML-512WWT864	R1102	116-2711-15	1/4W 270 ohm	S1108	013-6311-50	SWITCH 100gf
D1111	001-7080-91	SML-512WWT864	R1103	116-2711-15	1/4W 270 ohm	S1109	013-6311-50	SWITCH 100gf
D1112	001-7080-91	SML-512WWT864	R1104	116-2711-15	1/4W 270 ohm	S1110	013-6311-50	SWITCH 100gf
D1113	001-7080-91	SML-512WWT864	R1105	116-2711-15	1/4W 270 ohm	S1111	013-6311-50	SWITCH 100gf
D1114	001-7093-90	RAY1112H-75M	R1106	116-2711-15	1/4W 270 ohm	S1112	013-6311-50	SWITCH 100gf
D1115	001-7093-90	RAY1112H-75M	R1107	116-2711-15	1/4W 270 ohm	S1113	013-6311-50	SWITCH 100gf
D1116	001-7093-90	RAY1112H-75M	R1108	116-2711-15	1/4W 270 ohm	S1114	013-6311-50	SWITCH 100gf
D1117	001-7063-96	RAY1102W	R1109	116-4711-15	1/4W 470 ohm	S1115	013-6311-50	SWITCH 100gf
D1118	001-7063-96	RAY1102W	R1110	116-3911-15	1/4W 390 ohm	S1116	013-6311-50	SWITCH 100gf
D1119	001-7063-96	RAY1102W	R1111	116-5611-15	1/4W 560 ohm	S1117	013-6311-50	SWITCH 100gf
D1120	001-7063-96	RAY1102W	R1112	116-3911-15	1/4W 390 ohm	S1118	013-6311-50	SWITCH 100gf
D1121	001-7063-96	RAY1102W	R1113	116-4711-15	1/4W 470 ohm	S1119	013-6311-50	SWITCH 100gf
D1122	001-7063-96	RAY1102W	R1114	116-4711-15	1/4W 470 ohm	S1121	013-6311-50	SWITCH 100gf
D1123	001-7063-96	RAY1102W	R1115	116-3911-15	1/4W 390 ohm	S1122	013-7415-50	SPVG110400
D1124	001-7063-96	RAY1102W	R1116	116-3911-15	1/4W 390 ohm	VR1101	016-0013-04	VR W/SHAFT
D1125	001-7063-96	RAY1102W	R1117	116-5611-15	1/4W 560 ohm	PWB	039-2754-01	PWB(WITHOUT COMPONENT)
D1126	001-7063-96	RAY1102W	R1118	116-8211-15	1/4W 820 ohm			

Main PWB(B2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
ANT102	331-3885-83	REAR PLATE with ANT.recept	C162	188-4763-18	6.3V 47uF	C516	166-1011-50	100pF CH
BL101	880-1921O	AM/FM TUNER	C163	168-5612-55	560pF Z	C517	119-0000-05	1/10W 0 ohm JW
C101	166-1511-50	150pF CH	C164	166-4701-50	47pF CH	C519	166-1011-50	100pF CH
C119	166-1201-50	12pF CH	C165	188-2253-68	50V 2.2uF	C603	119-0000-05	1/10W 0 ohm JW
C120	168-4712-55	470pF K	C166	166-5601-50	56pF CH	C604	119-0000-05	1/10W 0 ohm JW
C121	166-1007-50	10pF CH	C167	168-3312-55	330pF K	C605	119-0000-05	1/10W 0 ohm JW
C122	166-1011-50	100pF CH	C168	168-1032-55	0.01uF K	C606	119-0000-05	1/10W 0 ohm JW
C123	188-1073-28	10V 100uF	C169	168-1022-55	1000pF K	C620	178-4742-78	0.47uF
C124	043-0277-51	0.022uF	C190	168-4712-55	470pF K	C621	178-4742-78	0.47uF
C125	168-1042-78	16V 0.1uF	C191	166-1801-50	18pF CH	C622	178-4742-78	0.47uF
C126	188-1073-28	10V 100uF	C192	166-1501-50	15pF CH	C623	178-4742-78	0.47uF
C127	168-1042-78	16V 0.1uF	C201	168-2232-55	0.022uF K	C626	042-0592-61	16V 47uF
C128	168-1042-78	16V 0.1uF	C210	163-4763-15	6.3V 47uF	C627	168-1042-78	16V 0.1uF
C129	188-1073-28	10V 100uF	C211	168-1042-78	16V 0.1uF	C628	168-1042-78	16V 0.1uF
C130	178-1052-78	1uF	C213	168-1022-55	1000pF K	C629	163-1073-35	16V 100uF
C131	168-1232-55	0.012uF K	C214	168-1032-55	0.01uF K	C630	168-1032-55	0.01uF K
C133	043-0277-51	0.022uF	C215	168-1042-78	16V 0.1uF	C631	042-0592-58	16V 10uF
C134	188-4763-38	16V 47uF	C223	163-1053-65	50V 1uF	C632	163-1073-35	16V 100uF
C135	042-1458-90	50V 1uF LN	C224	163-4753-55	35V 4.7uF	C633	163-2273-25	10V 220uF
C138	168-1022-55	1000pF K	C225	166-1011-50	100pF CH	C634	168-2232-55	0.022uF K
C140	168-2232-55	0.022uF K	C226	166-1011-50	100pF CH	C635	166-2201-50	22pF CH
C141	188-4763-38	16V 47uF	C227	166-1011-50	100pF CH	C636	163-2263-35	16V 22uF
C142	168-3932-78	0.039uF K	C301	163-1063-35	16V 10uF	C637	168-2232-55	0.022uF K
C143	166-1011-50	100pF CH	C302	178-4742-78	0.47uF	C638	163-2253-65	50V 2.2uF
C144	166-1011-50	100pF CH	C303	178-4742-78	0.47uF	C639	166-4701-50	47pF CH
C145	166-1011-50	100pF CH	C314	168-1042-78	16V 0.1uF	C640	168-6822-55	6800pF K
C146	166-1011-50	100pF CH	C317	163-1063-35	16V 10uF	C641	163-1073-35	16V 100uF
C147	168-3932-78	0.039uF K	C320	042-0592-58	16V 10uF	C642	168-1042-78	16V 0.1uF
C148	166-1801-50	18pF CH	C321	042-0592-58	16V 10uF	C643	163-1073-35	16V 100uF
C149	178-3332-78	0.033uF	C322	042-0592-58	16V 10uF	C644	172-1041-15	0.1uF
C150	178-3332-78	0.033uF	C323	042-0592-58	16V 10uF	C645	042-1545-00	16V 2200uF
C152	168-4722-55	4700pF K	C328	117-0000-05	1/8W 0 ohm JW	C646	168-2222-55	2200pF K
C154	166-1011-50	100pF CH	C329	117-0000-05	1/8W 0 ohm JW	C651	042-0416-57	10V 47uF M TAN
C155	166-1011-50	100pF CH	C330	117-0000-05	1/8W 0 ohm JW	C655	168-1042-78	16V 0.1uF
C160	166-1011-50	100pF CH	C331	117-0000-05	1/8W 0 ohm JW	C657	168-2222-55	2200pF K
C161	178-2242-78	0.22uF	C513	119-0000-05	1/10W 0 ohm JW	C658	168-1042-78	16V 0.1uF
			C514	168-1042-78	16V 0.1uF	C659	163-1073-35	16V 100uF

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R655	119-1031-15	1/10W 10k ohm	R693	119-4721-15	1/10W 4.7k ohm	R732	119-3011-15	1/10W 300 ohm
R656	116-1221-15	1/4W 1.2k ohm	R694	119-0000-05	1/10W 0 ohm JW	R750	119-2221-15	1/10W 2.2k ohm
R657	116-1091-15	1/4W 1 ohm	R695	116-4791-15	1/4W 4.7 ohm	R901	119-1031-15	1/10W 10k ohm
R658	116-1531-15	1/4W 15k ohm	R696	119-1031-15	1/10W 10k ohm	R902	119-1031-15	1/10W 10k ohm
R659	116-4791-15	1/4W 4.7 ohm	R697	119-1031-15	1/10W 10k ohm	R903	119-1031-15	1/10W 10k ohm
R660	116-2721-15	1/4W 2.7k ohm	R698	116-6811-15	1/4W 680 ohm	R904	119-1031-15	1/10W 10k ohm
R662	119-2201-15	1/10W 22 ohm	R699	119-1041-15	1/10W 100k ohm	R905	119-8221-15	1/10W 8.2k ohm
R663	119-0000-05	1/10W 0 ohm JW	R703	119-3011-15	1/10W 300 ohm	R906	119-1231-15	1/10W 12k ohm
R664	119-0000-05	1/10W 0 ohm JW	R704	119-3011-15	1/10W 300 ohm	SUP102	060-0122-91	DSP-141N-S00B
R665	119-0000-05	1/10W 0 ohm JW	R710	119-4731-15	1/10W 47k ohm	T601	009-0675-01	CHOKE
R666	119-0000-05	1/10W 0 ohm JW	R712	119-2231-15	1/10W 22k ohm	TC101	004-1580-60	30pF
R667	116-8211-15	1/4W 820 ohm	R713	119-4731-15	1/10W 47k ohm	TH602	002-0229-90	PTH8L05B
R668	116-8211-15	1/4W 820 ohm	R715	119-1031-15	1/10W 10k ohm	VR102	012-5203-56	10k ohm
R669	116-8211-15	1/4W 820 ohm	R716	119-5631-15	1/10W 56k ohm	X101	061-1066-80	7.2MHz
R671	117-2211-15	1/8W 220 ohm	R717	119-1031-15	1/10W 10k ohm	X161	061-3013-90	4.332MHz
R672	119-1041-15	1/10W 100k ohm	R718	119-1031-15	1/10W 10k ohm	X201	060-1505-50	CSTCC10.0MG-TC
R673	119-1041-15	1/10W 100k ohm	R721	119-5631-15	1/10W 56k ohm	PWB	039-2753-00	PWB(WITHOUT COMPONENT)
R690	119-4721-15	1/10W 4.7k ohm	R722	119-5631-15	1/10W 56k ohm			
R691	119-4721-15	1/10W 4.7k ohm	R728	119-5621-15	1/10W 5.6k ohm			
R692	119-4721-15	1/10W 4.7k ohm	R730	119-5621-15	1/10W 5.6k ohm			

CD PWB(B3) section : CD changer module

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	168-4735-56	0.047uF Z	IC3	052-5061-01	M30621MCM-4S5GP	R26	119-4721-15	1/10W 4.7k ohm
C2	168-4735-56	0.047uF Z	IC4	051-9402-78	BR93L56RFVM-W	R27	119-1031-15	1/10W 10k ohm
C4	168-1222-55	1200pF K	IC5	051-3332-90	NJU7222U33	R28	119-1041-15	1/10W 100k ohm
C5	163-2263-35	16V22uF	IC6	051-3293-90	BA033SFP-E2	R29	119-1041-15	1/10W 100k ohm
C6	168-1222-55	1200pF K	J1	074-1189-95	45P	R31	119-4731-15	1/10W 47k ohm
C12	168-1222-55	1200pF K	J3	074-1237-70	20P	R32	119-0000-05	1/10W 0 ohm JW
C15	168-1222-55	1200pF K	P1	076-0478-55	PLUG 5P	R35	119-0000-05	1/10W 0 ohm JW
C16	163-2263-35	16V22uF	Q3	190-1162-00	2SA1162	R36	119-4731-15	1/10W 47k ohm
C18	168-1045-56	0.1uF Z	Q4	198-3018-00	2SK3018	R37	119-4731-15	1/10W 47k ohm
C19	166-1011-50	100pF CH	Q5	131-1188-50	2SB1188PQR	R38	119-2231-15	1/10W 22k ohm
C21	168-1032-55	0.01uF K	Q6	198-3018-00	2SK3018	R39	119-2231-15	1/10W 22k ohm
C22	168-1045-56	0.1uF Z	Q7	125-2004-92	RN1402	R40	119-2231-15	1/10W 22k ohm
C23	168-1045-56	0.1uF Z	Q8	125-2004-92	RN1402	R41	119-4711-15	1/10W 470 ohm
C24	168-1032-55	0.01uF K	Q9	125-0014-92	DTA114EK	R42	119-2231-15	1/10W 22k ohm
C25	163-1073-15	6.3V100uF	Q53	193-0601-00	2SD601A	R43	119-2241-15	1/10W 220k ohm
C26	178-1052-78	1uF	R2	119-2211-15	1/10W 220 ohm	R60	119-0000-05	1/10W 0 ohm JW
C27	168-1045-56	0.1uF Z	R4	119-4731-15	1/10W 47k ohm	R530	119-4731-15	1/10W 47k ohm
C28	042-0671-01	10V 47uF TA	R8	119-4731-15	1/10W 47k ohm	R550	119-4731-15	1/10W 47k ohm
C29	168-1045-56	0.1uF Z	R10	119-2211-15	1/10W 220 ohm	TM1	073-0768-90	TERMINAL
C30	178-3342-78	0.33uF	R13	119-1041-15	1/10W 100k ohm	TM2	073-0766-90	TERMINAL
C31	042-1673-00	10V 220uF	R14	119-2221-15	1/10W 2.2k ohm	TM4	073-0766-90	TERMINAL
CCT4	050-0140-55	1/32W 2.2k ohmx4J	R15	119-1041-15	1/10W 100k ohm	TM5	073-0766-90	TERMINAL
CCT5	050-0145-54	1/16W 47k ohm x4	R16	119-1021-15	1/10W 1k ohm	X1	060-1533-90	CSTCE10M0G52-R0
CCT6	050-0145-53	1/16W 220k ohmx4 J	R20	119-4731-15	1/10W 47k ohm	PWB	039-2532-20	PWB(WITHOUT COMPONENT)
D2	001-2610-90	RB480KTL	R24	119-4731-15	1/10W 47k ohm			
IC2	051-5445-08	BD5227G-TR	R25	119-1031-15	1/10W 10k ohm			

DSP PWB(B4) section : CD changer module

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	042-0671-01	10V 47uF TA	C25	046-6822-58	6800pF	C53	168-1045-56	0.1uF Z
C2	168-4735-56	0.047uF Z	C26	046-1032-78	0.01uF	C54	042-0671-01	10V 47uF TA
C3	046-4722-58	4700pF	C28	046-1022-58	1000pF	C56	168-4712-55	470pF K
C4	046-1032-78	0.01uF	C29	046-3332-78	0.033uF	C57	046-1032-78	0.01uF
C5	168-1045-56	0.1uF Z	C32	046-4722-58	4700pF	C58	168-4712-55	470pF K
C6	042-0671-01	10V 47uF TA	C33	046-1522-58	1500pF	C59	168-1045-56	0.1uF Z
C7	168-1045-56	0.1uF Z	C34	168-1045-56	0.1uF Z	C60	168-1045-56	0.1uF Z
C8	168-1045-56	0.1uF Z	C35	046-1532-78	0.015uF	C61	046-1032-78	0.01uF
C9	045-1007-50	10pF	C36	168-1045-56	0.1uF Z	C62	042-0671-01	10V 47uF TA
C10	168-1045-56	0.1uF Z	C37	168-1045-56	0.1uF Z	C63	046-1032-78	0.01uF
C11	045-1007-50	10pF	C38	042-0671-01	10V 47uF TA	C64	168-1045-56	0.1uF Z
C12	168-1045-56	0.1uF Z	C39	178-1052-78	1uF	C65	045-1201-50	12pF
C13	042-0672-00	25V 47uF TA	C40	045-6801-50	68pF	C66	046-1032-78	0.01uF
C14	168-4735-56	0.047uF Z	C41	168-1045-56	0.1uF Z	C67	046-1032-78	0.01uF
C15	168-4735-56	0.047uF Z	C42	178-1052-78	1uF	C68	168-1045-56	0.1uF Z
C16	168-4735-56	0.047uF Z	C43	042-0671-01	10V 47uF TA	C69	045-1201-50	12pF
C17	178-1052-78	1uF	C44	046-6812-58	680pF	C101	046-1032-78	0.01uF
C18	045-4701-50	47pF	C45	168-1045-56	0.1uF Z	C102	046-1032-78	0.01uF
C19	168-1045-56	0.1uF Z	C46	168-1045-56	0.1uF Z	CCT1	050-0140-68	1/32W 3.3k ohm x4J
C20	046-4712-58	470pF	C47	042-0671-01	10V 47uF TA	CCT4	050-0140-63	1/32W 47k ohm x4J
C21	046-4712-58	470pF	C48	168-5632-78	16V 0.056uF	D1	001-0367-91	1SS226
C22	168-1045-56	0.1uF Z	C49	168-1045-56	0.1uF Z	D2	001-2610-90	RB480KTL
C23	046-1532-78	0.015uF	C50	168-1045-56	0.1uF Z	IC2	051-6399-00	TC94A15F
C24	168-1045-56	0.1uF Z	C51	168-1045-56	0.1uF Z	IC3	051-6060-08	BD7961FM-E2

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC4	051-7518-18	SN74LVC139APWR	R8	033-0000-05	1/10W 0 ohm	R42	033-1001-15	1/10W 10 ohm
IC5	052-5062-03	MBM29DL800BA-90PFTN	R10	033-5621-15	1/10W 5.6k ohm	R45	033-1011-15	1/10W 100 ohm
IC6	051-7518-18	SN74LVC139APWR	R11	033-4731-15	1/10W 47k ohm	R46	033-4731-15	1/10W 47k ohm
IC7	051-9330-00	K4S641632F-TC60	R12	119-3341-15	1/10W 330k ohm	R47	033-4731-15	1/10W 47k ohm
IC8	051-7203-48	SN74LV74APW	R13	033-2231-15	1/10W 22k ohm	R48	033-1011-15	1/10W 100 ohm
IC9	051-6700-00	TMS320DA140	R14	033-2231-15	1/10W 22k ohm	R49	033-0000-05	1/10W 0 ohm
		PGE160	R15	117-1001-15	1/8W 10 ohm	R50	033-0000-05	1/10W 0 ohm
IC10	051-3315-90	TPS76316DBVR	R16	033-5631-15	1/10W 56k ohm	R51	033-8231-15	1/10W 82k ohm
IC11	051-7221-58	SN74AHC1G04	R17	033-3331-15	1/10W 33k ohm	R52	033-0000-05	1/10W 0 ohm
		HCKR	R18	033-6831-15	1/10W 68k ohm	R53	033-4731-15	1/10W 47k ohm
IC12	051-7525-08	SN74LVC2GU04	R19	033-6831-15	1/10W 68k ohm	R63	033-2231-15	1/10W 22k ohm
		DCKR	R20	033-1011-15	1/10W 100 ohm	R64	033-2231-15	1/10W 22k ohm
IC13	051-7526-08	SN74LVC1G126	R21	116-4711-15	1/4W 470 ohm	R65	033-4731-15	1/10W 47k ohm
		DCKR	R22	117-1811-15	1/8W 180 ohm	R66	033-4731-15	1/10W 47k ohm
J1	074-1201-65	15P	R23	116-4711-15	1/4W 470 ohm	R100	033-1011-15	1/10W 100 ohm
J2	074-1138-56	6P	R24	033-2231-15	1/10W 22k ohm	R101	033-1011-15	1/10W 100 ohm
J3	074-1059-76	26P	R25	033-2231-15	1/10W 22k ohm	R102	033-1011-15	1/10W 100 ohm
J4	074-1189-95	45P	R26	033-2231-15	1/10W 22k ohm	R103	033-1011-15	1/10W 100 ohm
J5	074-1201-60	10P	R27	033-1011-15	1/10W 100 ohm	R104	033-1011-15	1/10W 100 ohm
L2	010-3104-54	MPZ1608S601AT	R28	033-4731-15	1/10W 47k ohm	R105	033-1011-15	1/10W 100 ohm
L3	010-3104-54	MPZ1608S601AT	R29	033-2231-15	1/10W 22k ohm	R106	033-1011-15	1/10W 100 ohm
Q1	131-1188-50	2SB1188PQR	R30	033-4721-15	1/10W 4.7k ohm	R107	033-4731-15	1/10W 47k ohm
Q2	131-1188-50	2SB1188PQR	R31	033-4721-15	1/10W 4.7k ohm	R200	033-1051-15	1/10W 1M ohm
Q3	125-2004-92	RN1402	R32	033-4731-15	1/10W 47k ohm	R201	033-1021-15	1/10W 1k ohm
R1	033-1021-15	1/10W 1k ohm	R33	033-4731-15	1/10W 47k ohm	R202	033-1021-15	1/10W 1k ohm
R2	033-1021-15	1/10W 1k ohm	R35	033-4731-15	1/10W 47k ohm	R220	033-4731-15	1/10W 47k ohm
R3	033-3311-15	1/10W 330 ohm	R36	033-3311-15	1/10W 330 ohm	R301	119-2231-15	1/10W 22k ohm
R4	033-2211-15	1/10W 220 ohm	R37	033-4731-15	1/10W 47k ohm	R302	119-3911-15	1/10W 390 ohm
R5	033-2211-15	1/10W 220 ohm	R38	033-3311-15	1/10W 330 ohm	X1	061-3534-90	16.92MHz
R6	033-1021-15	1/10W 1k ohm	R39	033-2211-15	1/10W 220 ohm	PWB	039-2531-20	PWB(WITHOUT COMPONENT)
R7	033-1051-15	1/10W 1M ohm	R40	033-1011-15	1/10W 100 ohm			
			R41	033-1001-15	1/10W 10 ohm			

Sensor PWB(B5) section : CD changer module

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
PT3	060-0252-01	PT4850F	PT6	060-0252-01	PT4850F	PWB	039-1956-00	PWB(WITHOUT COMPONENT)
PT4	060-0252-01	PT4850F	S1	013-7414-50	SPVG22			
PT5	060-0252-01	PT4850F						

PIM-FPC(B6) section : CD changer module

REF No.	PART No.	DESCRIPTION
IC5	051-5806-02	GPIS95

Driver PWB(B7) section : CD changer module

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	168-1045-56	0.1uF	J1	074-1239-76	26P	R3	032-0104-59	1/4W 2.2 ohm
C2	163-1073-35	16V100uF	J2	074-1100-59	9P	S2	013-7412-50	SPVG21
D1	001-0529-29	MA8051-M	R1	033-1021-15	1/10W 1k ohm	PWB	039-2242-00	PWB(WITHOUT COMPONENT)
IC1	051-6044-18	BA6920FP-Y	R2	032-0104-59	1/4W 2.2 ohm			

PIV-FPC(B8) section : CD changer module

REF No.	PART No.	DESCRIPTION
IC6	051-5806-01	GPIS93

LED-L-PWB(B9) section : CD changer module

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
LED3	001-7042-00	GL4800	LED4	001-7042-00	GL4800	PWB	039-1954-20	PWB(WITHOUT COMPONENT)

LED-R-PWB(B10) section : CD changer module

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
LED5	001-7042-00	GL4800	LED6	001-7042-00	GL4800	PWB	039-1955-20	PWB(WITHOUT COMPONENT)

L-Motor-FPC(B11) section : CD changer module

REF No.	PART No.	DESCRIPTION
M1	SMA-186-100	LOADING

M/S-FPC(B12) section : CD changer module

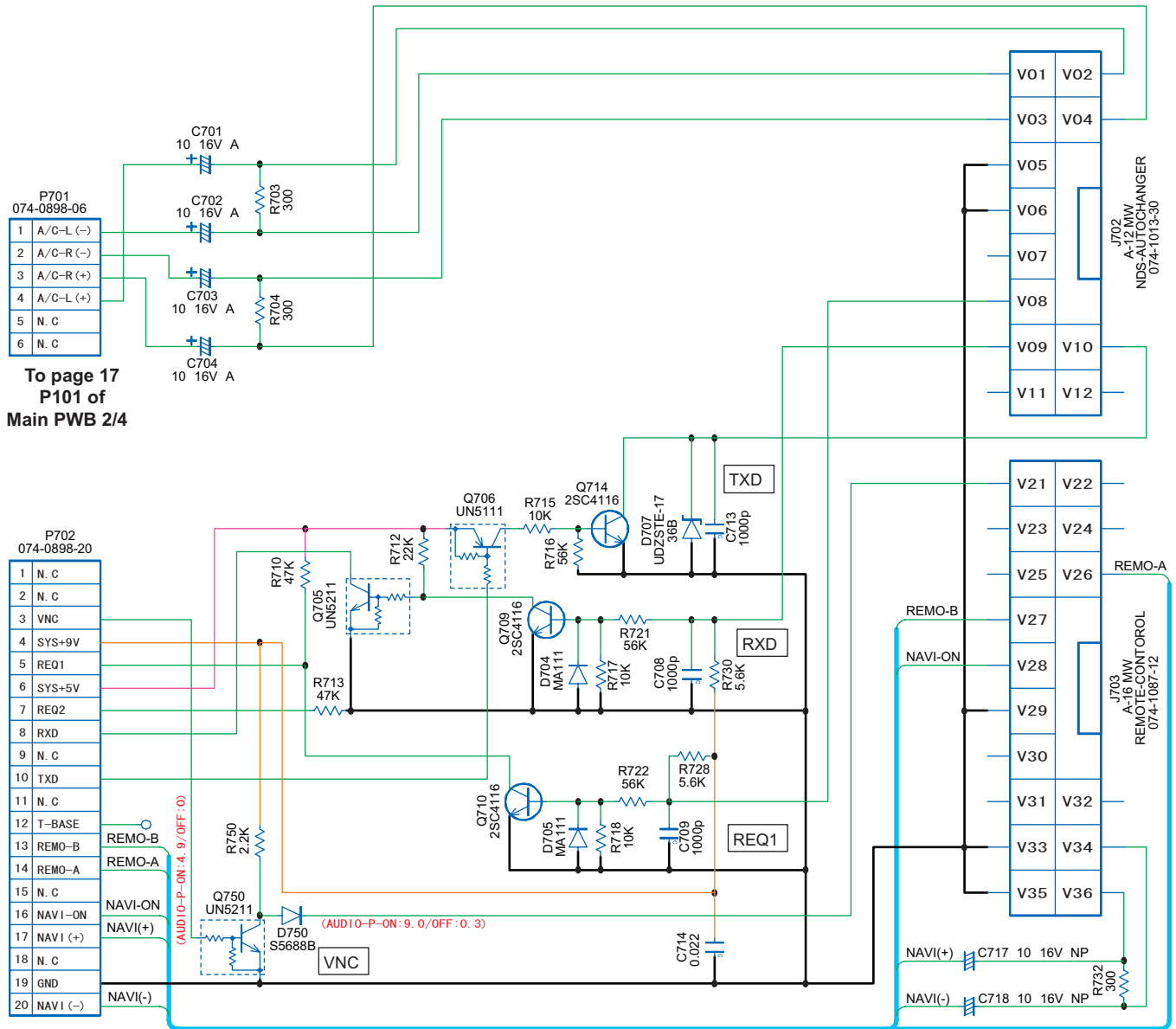
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
M2	SMA-193-101	SPINDLE	M3	SMA-191-100	SLED	S3	013-7414-50	SPVG22

CIRCUIT DIAGRAM

Main PWB(B2) section 1/4
(Main PWB-B)

A-12 MW
(NDS-Auto changer)

No.	Description	No.	Description
V01	CD Lch(-)	V07	N.C.
V02	CD Lch(+)	V08	REQ(CD -> Combi)
V03	CD Rch(-)	V09	RX(CD -> Combi)
V04	CD Rch(+)	V10	TX(Combi -> CD)
V05	GND	V11	N.C.
V06	Shield-GND	V12	N.C.

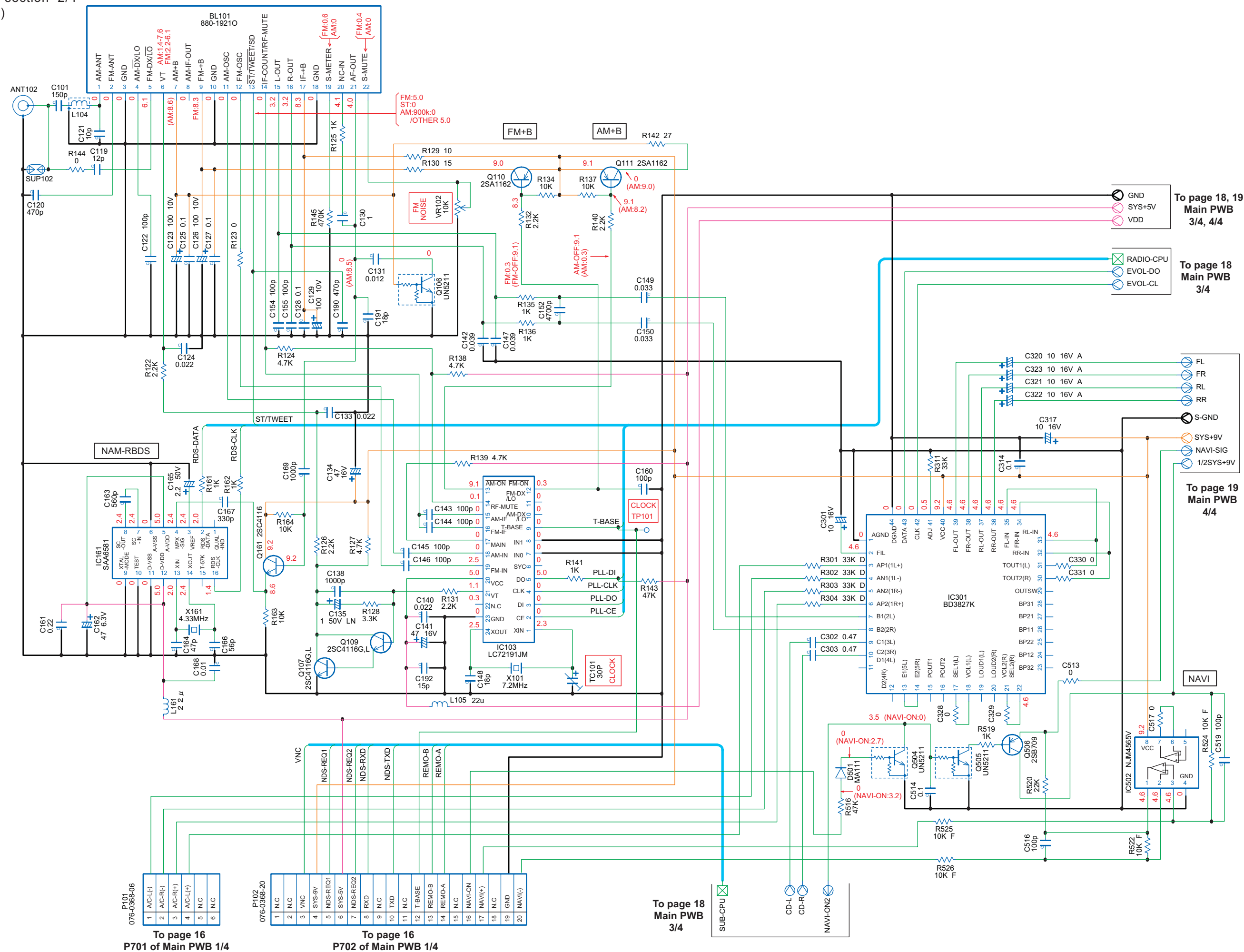


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P101 of
Main PWB 2/4

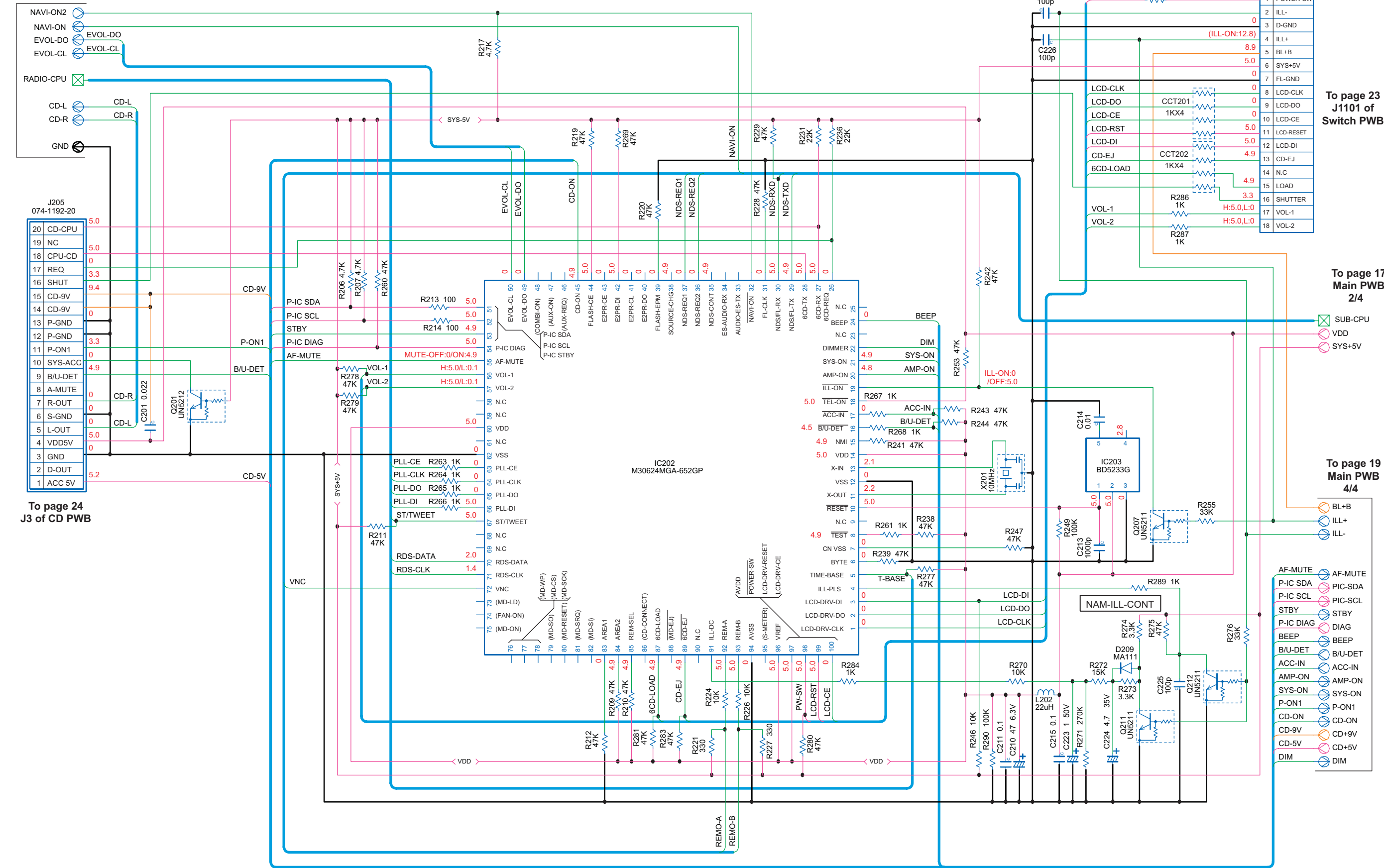
To page 17
P102 of
Main PWB 2/4

No.	Description	No.	Description
V21	VNC-ON/OFF	V29	REMO-GND
V22	N.C.	V30	N.C.
V23	N.C.	V31	N.C.
V24	N.C.	V32	N.C.
V25	N.C.	V33	GND
V26	REMO-A	V34	NAVI IN(-)
V27	REMO-B	V35	NAVI-GND
V28	NAVI-ON	V36	NAVI IN(+)

A-16 MW
(Remote control)



To page 17
Main PWB
2/4



To page 24
J3 of CD PWB

To page 23
J1101 of
Switch PWB

To page 17
Main PWB
2/4

To page 19
Main PWB
4/4

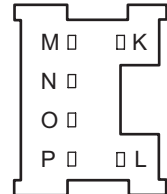
PRINTED WIRING BOARD

Main PWB(B2) section
: Component side

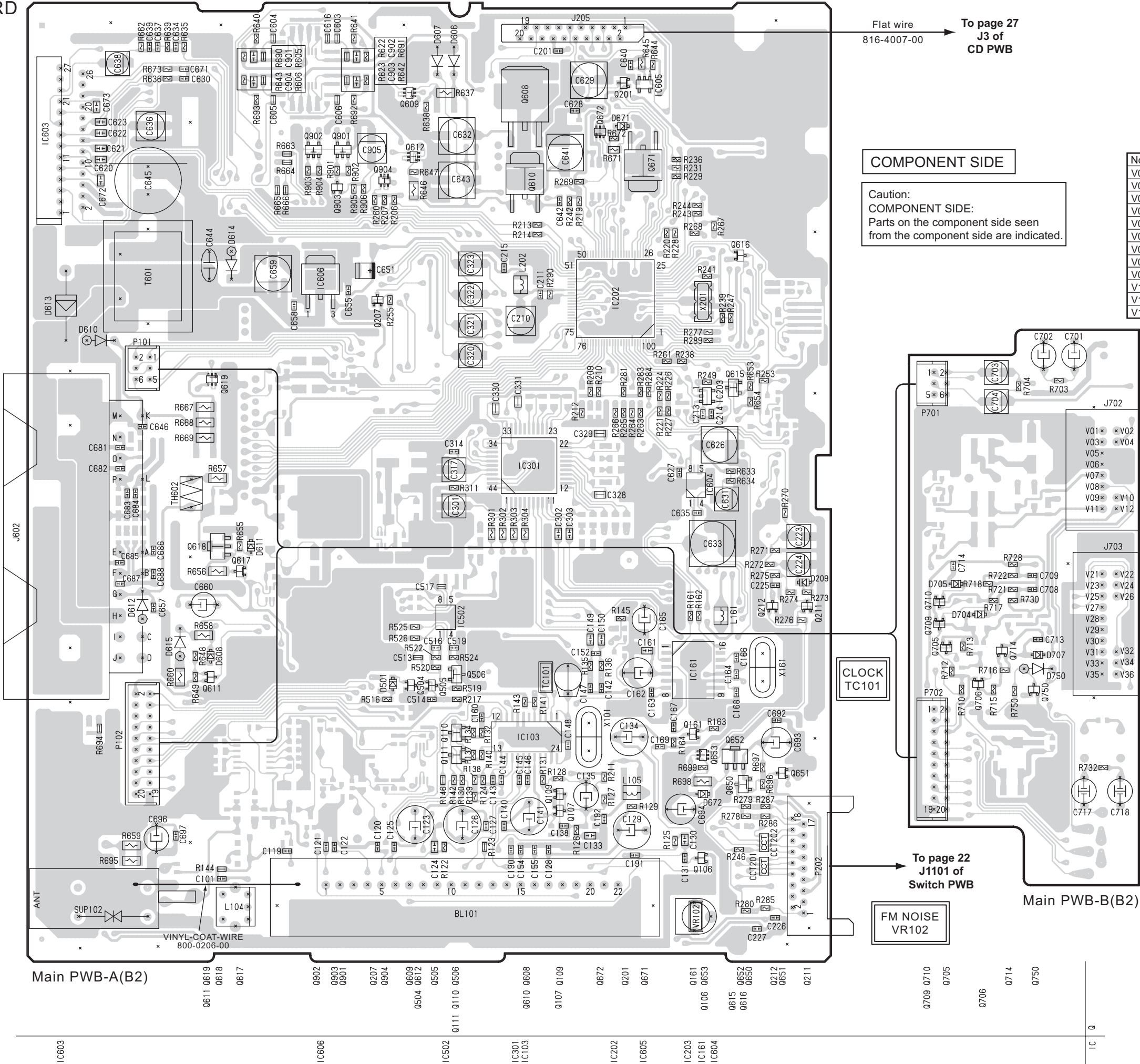
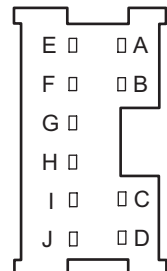
No.	Description
K	AMP ON SIGNAL
L	REAR Rch(+)
M	GND
N	REAR Lch(-)
O	REAR Lch(+)
P	REAR Rch(-)

No.	Description
A	FRONT Lch(+)
B	FRONT Rch(+)
C	ILLUMI(+)
D	ACC
E	FRONT Lch(-)
F	FRONT Rch(-)
G	ANT. SIGNAL
H	BACK UP(+14V)
I	ILLUMI(-)
J	GND

NS06 MW
(Rear SP)



NS10 MW
(Power/Front SP)



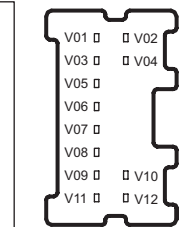
Flat wire
816-4007-00
To page 27
J3 of
CD PWB

COMPONENT SIDE

Caution:
COMPONENT SIDE:
Parts on the component side seen
from the component side are indicated.

No.	Description
V01	CD Lch(-)
V02	CD Lch(+)
V03	CD Rch(-)
V04	CD Rch(+)
V05	GND
V06	Shield-GND
V07	N.C.
V08	REQ(CD -> Combi)
V09	RX(CD -> Combi)
V10	TX(Combi -> CD)
V11	N.C.
V12	N.C.

A-12 MW
(NDS-Auto changer)



A-16 MW
(Remote control)

No.	Description
V21	VNC-ON/OFF
V22	N.C.
V23	N.C.
V24	N.C.
V25	N.C.
V26	REMO-A
V27	REMO-B
V28	NAVI-ON
V29	REMO-GND
V30	N.C.
V31	N.C.
V32	N.C.
V33	GND
V34	NAVI IN(-)
V35	NAVI-GND
V36	NAVI IN(+)

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J1101 of
Switch PWB

FM NOISE
VR102

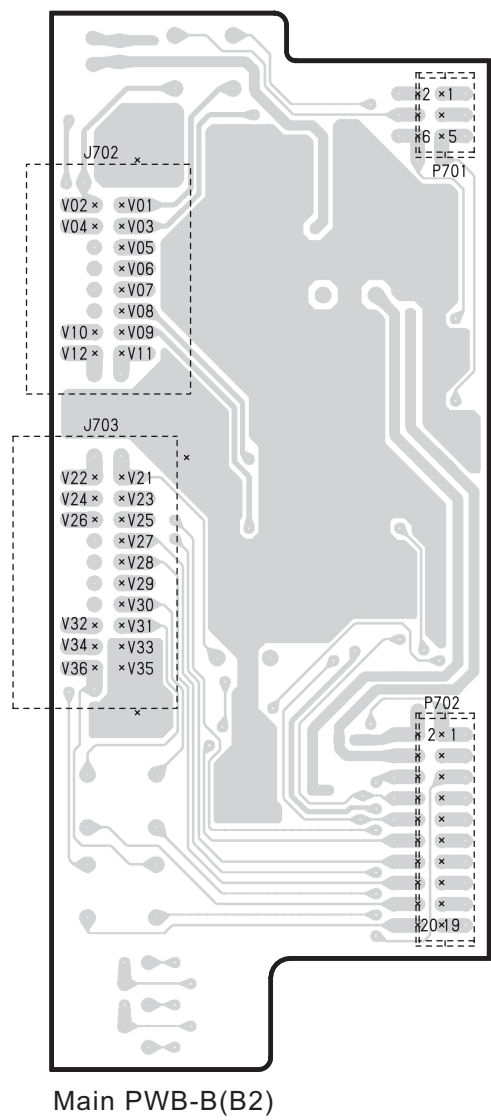
Main PWB-B(B2)

Main PWB(B2) section
: Solder side

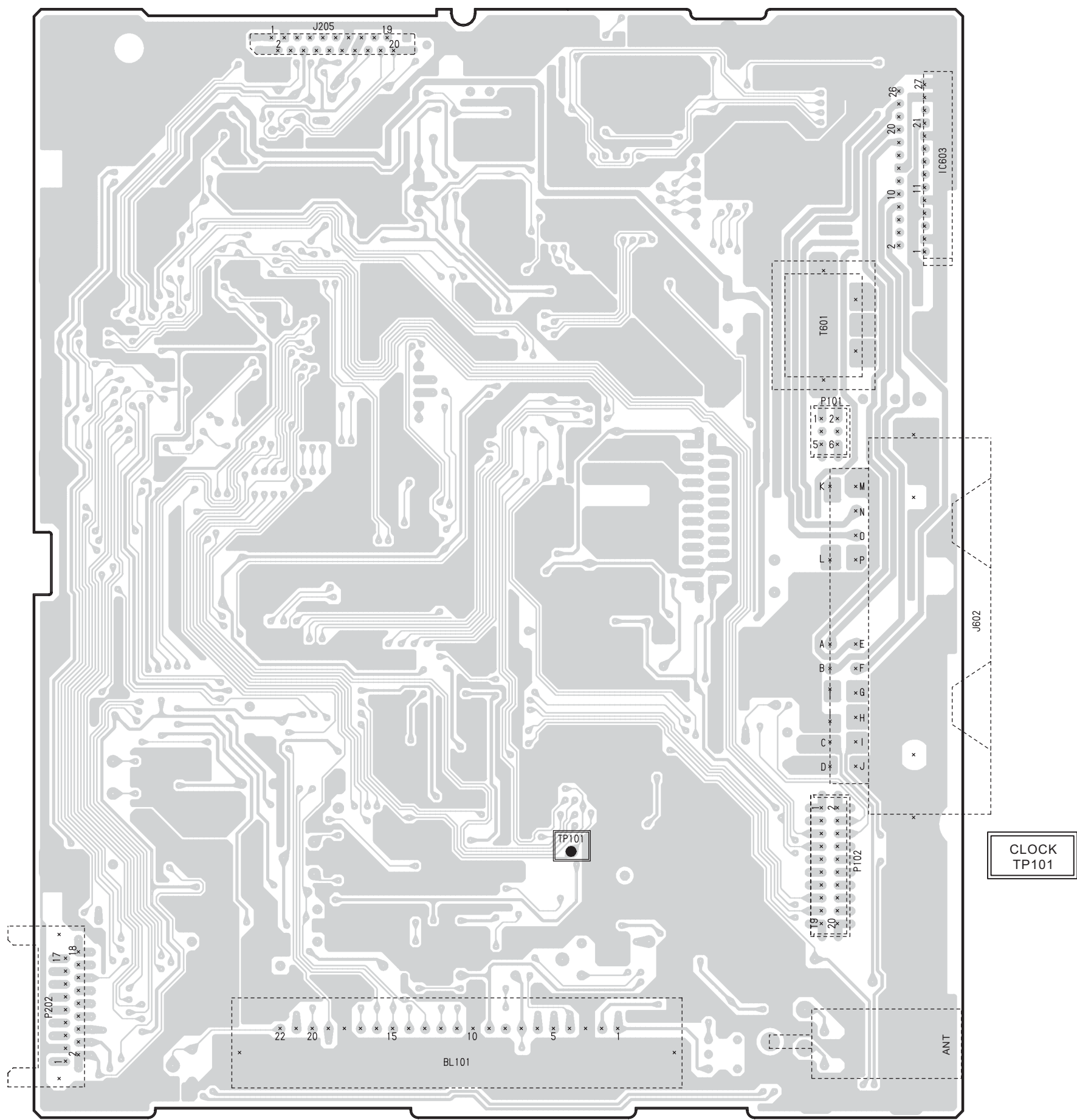
SOLDER SIDE

Caution:
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

The parts of a dotted line express the parts on a component side.



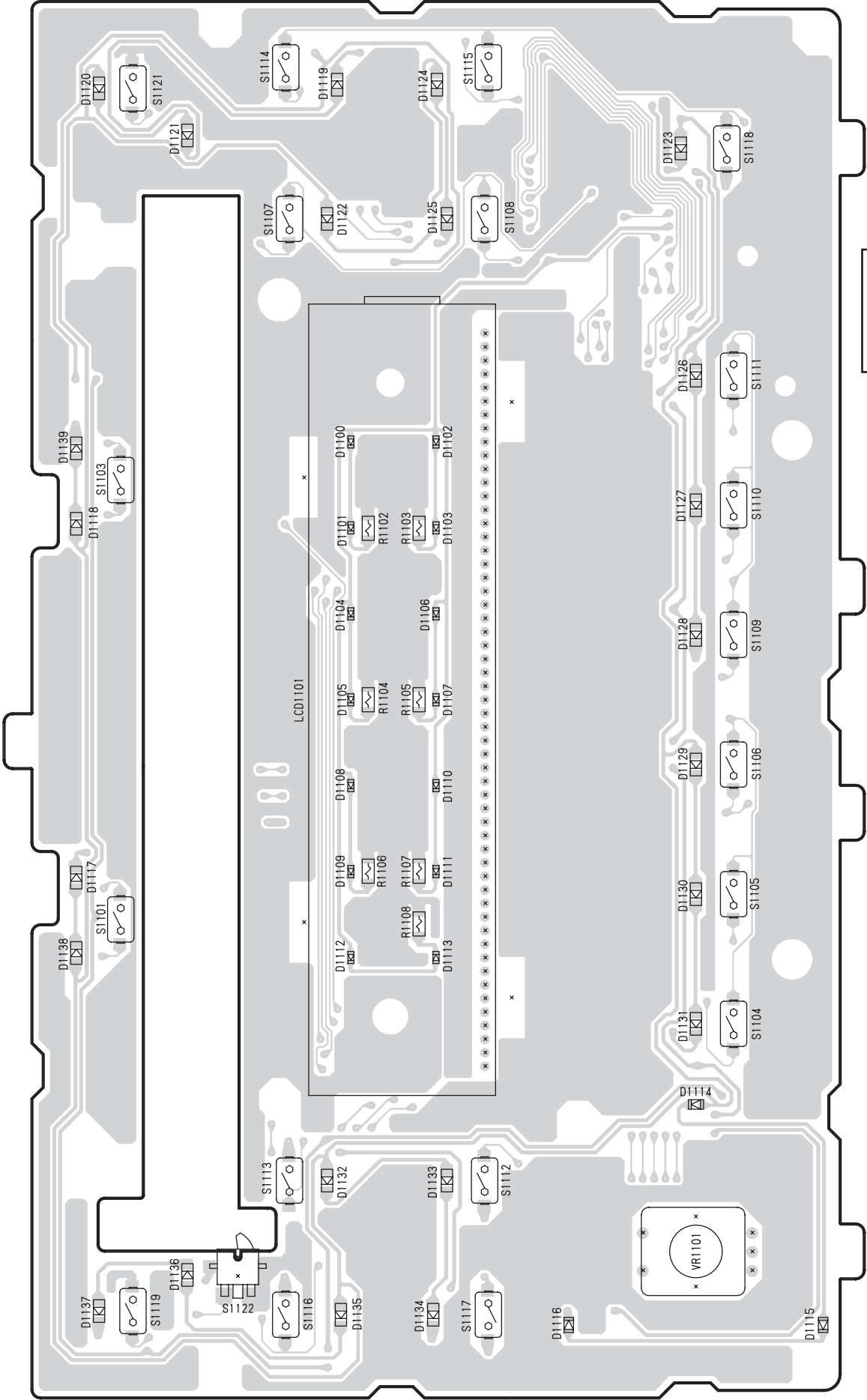
Main PWB-B(B2)



Main PWB-A(B2)

Switch PWB(B1) section
: Component side

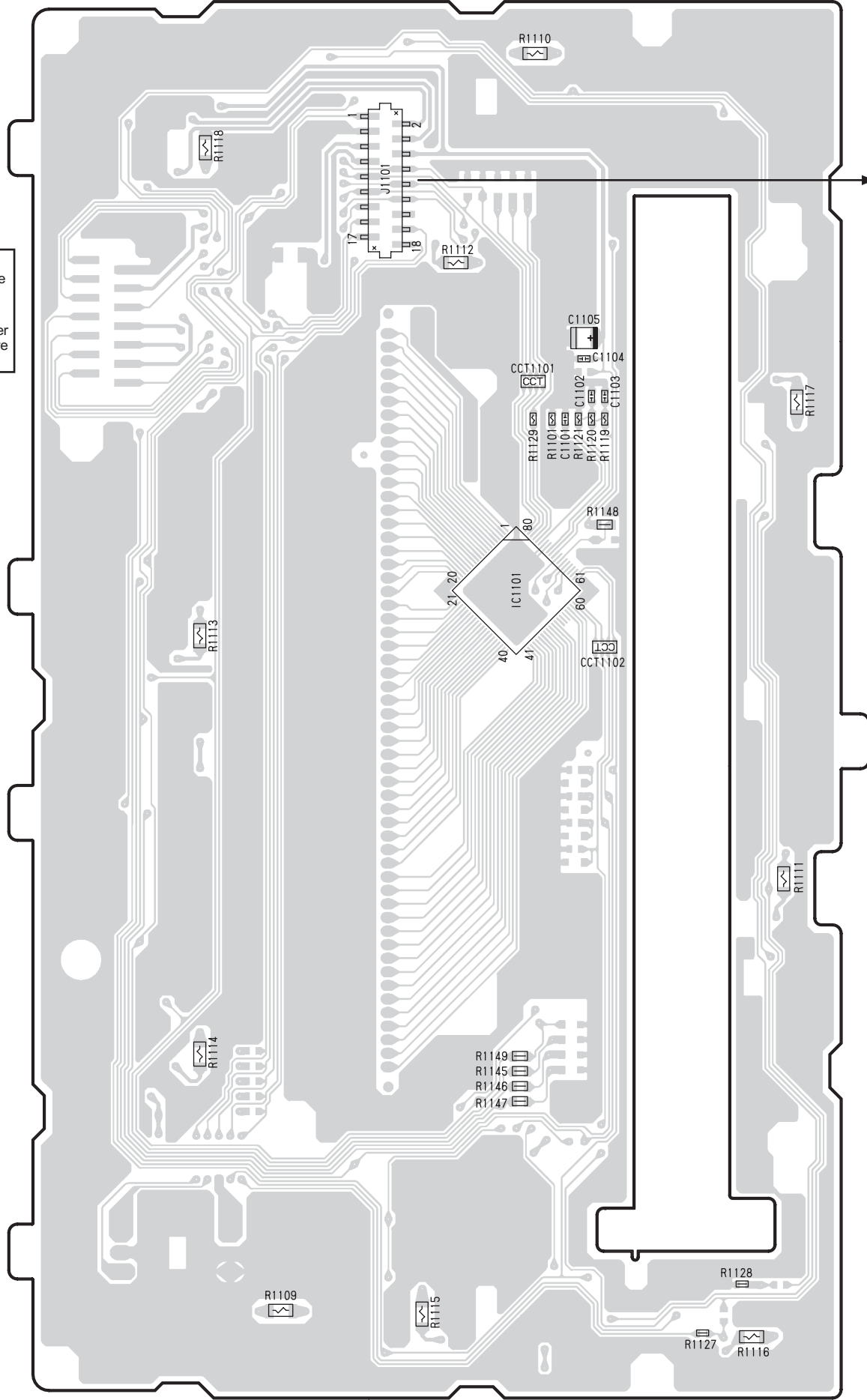
COMPONENT SIDE



Caution:
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

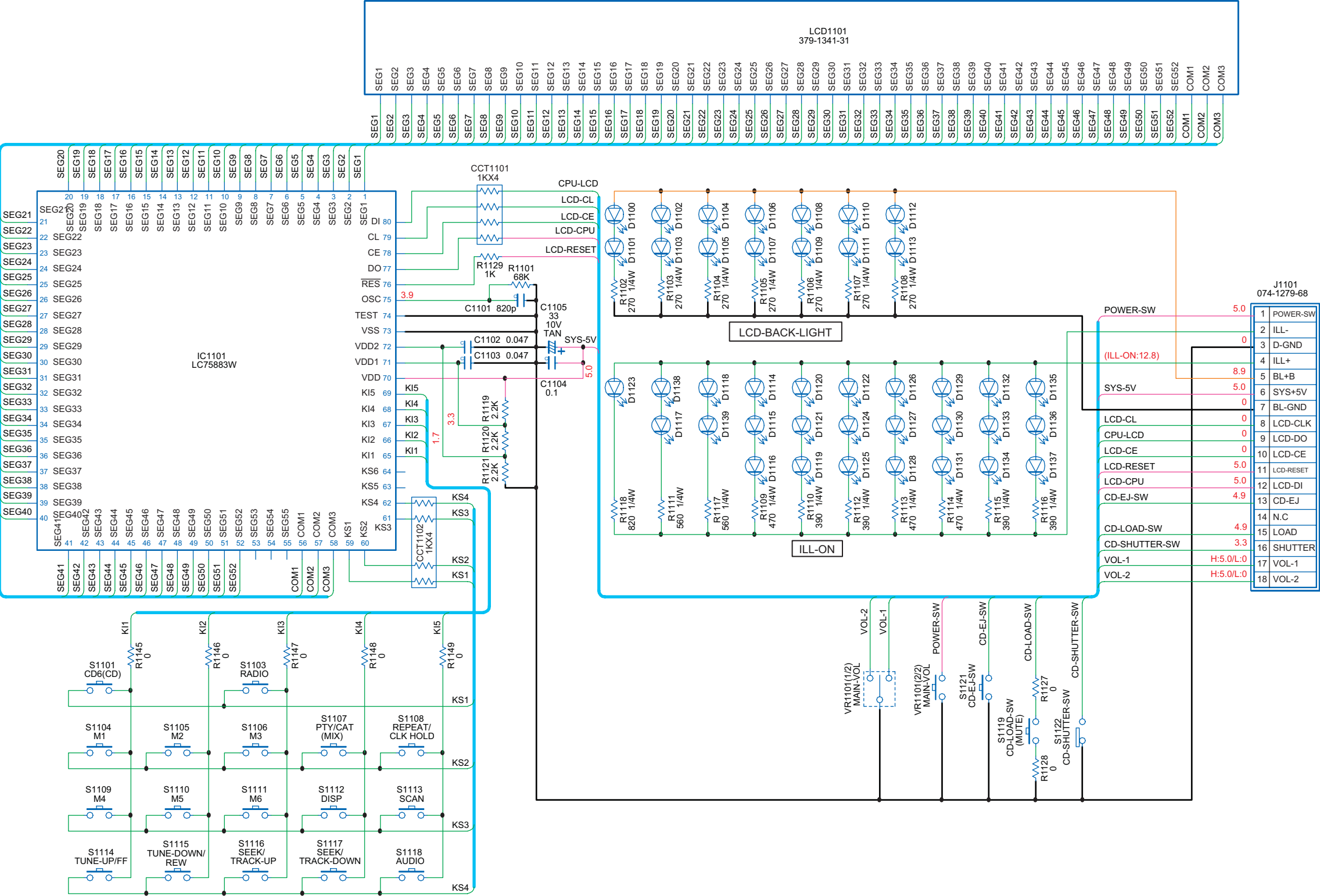
Switch PWB(B1) section
: Solder side

SOLDER SIDE



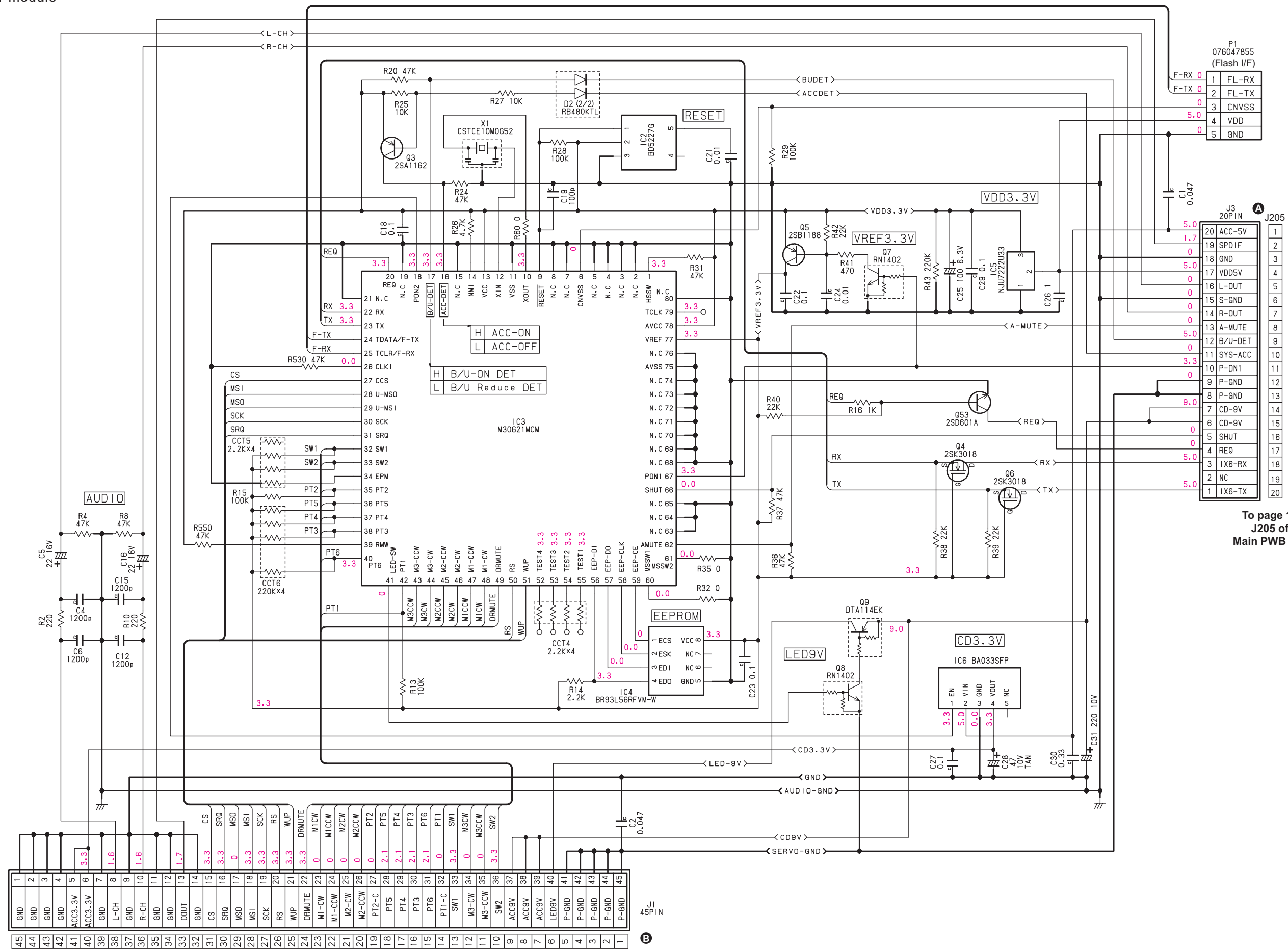
To page 20
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Main PWB

CIRCUIT DIAGRAM
Switch PWB(B1) section



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P202 of
Main PWB 3/4

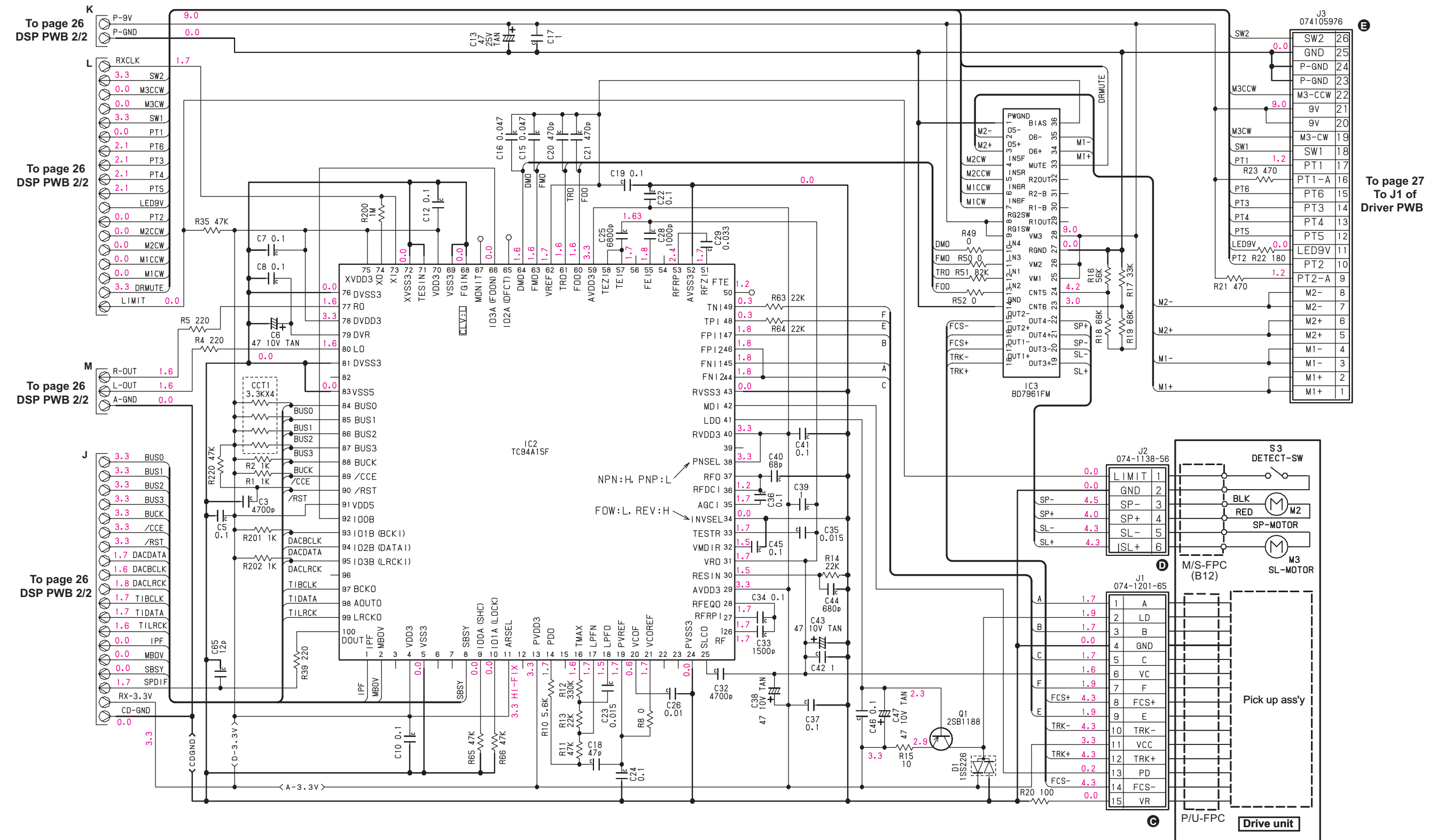
CIRCUIT DIAGRAM
CD PWB(B3) section
: CD changer module



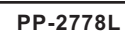
To page 26
J4 of DSP PWB 2/2

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Main PWB 3/4

DSP PWB(B4) section 1/2
M/S FPC(B12)
: CD changer module



: CD changer module



: CD changer module

CD PWB(B3) section

: CD changer module



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205 of Main PWB

Caution:
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

PRINTED WIRING BOARD

DSP PWB(B4) / Sensor PWB(B5) / PIM-FPC PWB(B6) / Driver PWB(B7) / PIV-FPC PWB(B8) /
LED-L-PWB(B9) / LED-R-PWB(B10) / L-Motor-FPC(B11) / M/S-FPC(B12) section
: CD changer module

